

# VALUE CHECKING LIST

LASSALE

SEIKO

PULSAR

ALBA

 LORUS

QUARTZ WATCHES

AUGUST, 1999

# ANALOGUE QUARTZ

## Analogue - 1

| Cal. No. |                                                      | Standard value           |               |                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                 |
|----------|------------------------------------------------------|--------------------------|---------------|----------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------------------------|
|          |                                                      | Current consumption (μA) |               | Coil block resistance (kΩ) | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                             |
|          |                                                      | Mov't                    | Circuit block |                            |                        |                            |                                 |                     |                                                             |
| 08       | 0822, 0823                                           | 11.0                     | 5.5           | 2.4 ~ 4.5                  | 1                      | ±15                        | —                               | 1                   | SEIKO SR43SW<br>Ⓜ / Ⓢ SR43SW, Ⓔ 301                         |
|          | 0841, 0842                                           | 5.5                      | 2.5           | 3.5 ~ 5.5                  | 1                      | ±15                        | —                               | 1                   |                                                             |
|          | 0843                                                 | 5.5                      | 2.5           | 3.5 ~ 5.5                  | 1                      | ±10                        | —                               | 1                   |                                                             |
|          | 0852, 0853                                           | 5.5                      | 2.5           | 3.5 ~ 5.5                  | 1                      | ±10                        | —                               | 2                   |                                                             |
| 09       | 0903, 0920, 0922<br>0923                             | 5.0                      | 2.5           | 1.5 ~ 3.5                  | 1                      | ±15                        | —                               | 2                   |                                                             |
| 1E       | 1E20, 1E50, 1E70                                     | 0.3                      | —             | 1.6 ~ 2.8                  | 20                     | ±15                        | 10 seconds                      | 2                   | SEIKO SR512SW<br>Ⓜ Matsushita SR512SW                       |
| 1F       | 1F20                                                 | 0.3                      | 0.25          | 2.0 ~ 2.6                  | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR416SW<br>Ⓜ SR416SW                                  |
|          | 1F21                                                 | 0.7                      | 0.25          | 3.4 ~ 4.1                  | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR421SW<br>Ⓜ SR421SW                                  |
| 1M       | 1M20A                                                | 0.19                     | 0.16          | 1.5 ~ 1.9                  | 20                     | ±15                        | 10 seconds                      | —                   | Electrocity Storage Unit                                    |
| 1N       | 1N00                                                 | 0.3                      | 0.25          | 1.7 ~ 2.3                  | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR516SW<br>Ⓜ / Ⓢ SR516SW<br>Matsushita SR516SW        |
|          | 1N01                                                 | 0.9                      | 0.25          | 2.7 ~ 3.3                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ 379<br>Matsushita SR521SW |
| 12       | 1220, 1230, 1270                                     | 0.4                      | 0.3           | 1.9 ~ 2.9                  | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>Ⓜ / Ⓢ SR616SW<br>Matsushita SR616SW        |
|          | 1221, 1231, 1271                                     | 0.85                     | 0.3           | 2.8 ~ 3.8                  | 1                      | ±15                        | —                               | 2                   |                                                             |
| 13       | 1320                                                 | 0.6                      | 0.5           | 1.4 ~ 3.4                  | 10                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR621SW                                               |
| 14       | 1400, 1400C                                          | 0.5                      | 0.45          | 1.5 ~ 3.5                  | 10                     | ±15                        | 10 seconds                      | 3                   | Ⓜ / Ⓢ SR621SW, Ⓔ 364<br>Matsushita SR621SW                  |
|          | 1421                                                 | 0.8                      | 0.5           | 2.5 ~ 4.5                  | 1                      | ±15                        | —                               | 2                   |                                                             |
|          | 1428                                                 | 0.9                      | 0.5           | 2.5 ~ 4.5                  | 1                      | ±15                        | —                               | 2                   |                                                             |
| 16       | 1600, 1609                                           | 2.8                      | 1.2           | 1.5 ~ 3.5                  | 2.5                    | ±20                        | 10 seconds                      | 2                   | SEIKO SR41SW<br>Ⓜ / Ⓢ SR41SW, Ⓔ 384                         |
| 2A       | 2A27                                                 | 1.1                      | 0.6           | 2.3 ~ 2.8                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364<br>Matsushita SR621SW |
|          | 2A22, 2A23, 2A24,<br>2A29, 2A32, 2A52,<br>2A54, 2A59 | 1.0                      | 0.6           | 2.8 ~ 3.4                  | 1                      | ±15                        | —                               | 2.5                 |                                                             |
| 2B       | 2B20                                                 | 0.8                      | 0.5           | 1.7 ~ 2.1                  | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ 379<br>Matsushita SR521SW |
|          | 2B21                                                 | 0.9                      | 0.3           | 2.9 ~ 3.3                  | 1                      | ±20                        | 10 seconds                      | 2                   |                                                             |
|          | 2B31                                                 | 1.1                      | 0.6           | 3.0 ~ 3.4                  | 1                      | ±20                        | 10 seconds                      | 2                   |                                                             |
| 2C       | 2C20                                                 | 0.5                      | 0.4           | 1.7 ~ 2.3                  | 20                     | ±15                        | 10 seconds                      | 3                   |                                                             |
|          | 2C21                                                 | 0.8                      | 0.4           | 2.8 ~ 3.4                  | 1                      | ±15                        | —                               | 2                   |                                                             |
| 2D       | 2D22                                                 | 1.2                      | 0.3           | 2.4 ~ 2.8                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364<br>Matsushita SR621SW |
| 2E       | 2E20, 2E50, 2E70                                     | 0.6                      | 0.3           | 1.4 ~ 2.0                  | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ 379<br>Matsushita SR521SW |
|          | 2E20B                                                | 0.6                      | 0.3           | 1.7 ~ 2.1                  | 20                     | ±15                        | 10 seconds                      | 3                   |                                                             |
| 2F       | 2F50, 2F70                                           | 0.3                      | 0.2           | 2.0 ~ 2.4                  | 20                     | ±15                        | 10 seconds                      | 2                   | SEIKO SR512SW<br>Ⓜ / Matsushita SR512SW                     |
| 2G       | 2G28, 2G78                                           | 0.9                      | 0.4           | 2.9 ~ 3.3                  | 1                      | ±15                        | —                               | 3                   | SEIKO SR527SW<br>Ⓜ / Ⓢ SR527SW, Ⓔ 319                       |
|          | 2G38, 2G98                                           | 0.9                      | 0.4           | 2.9 ~ 3.3                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ 379<br>Matsushita SR521SW |

↑  
“—” means:  
Any gate

↑  
Ⓜ : MAXELL  
Ⓢ : SONY  
ⓔ : EVEREADY

## Analogue - 2

| Cal. No. |                              | Standard value           |               |                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                 |
|----------|------------------------------|--------------------------|---------------|----------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------------------------|
|          |                              | Current consumption (μA) |               | Coil block resistance (kΩ) | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                             |
|          |                              | Mov't                    | Circuit block |                            |                        |                            |                                 |                     |                                                             |
| 2J       | 2J30                         | 0.69                     | 0.19          | 2.7 ~ 3.3                  | 1                      | ±20/year                   | 10 seconds                      | 2                   | SEIKO SR421SW<br>Ⓜ SR421SW                                  |
|          | 2J31                         | 0.8                      | 0.30          | 2.8 ~ 3.2                  | 10                     | ±20/year                   | 10 seconds                      | 2                   | SEIKO SR421SW<br>Ⓜ SR421SW                                  |
|          | 2J41                         | 0.69                     | 0.21          | 2.7 ~ 3.3                  | 1                      | ±10/year                   | 10 seconds                      | 2                   | SEIKO SR421SW                                               |
|          | 2J80                         | 0.69                     | 0.21          | 2.7 ~ 3.3                  | 1                      | ±20/year                   | 10 seconds                      | 2                   | Ⓜ SR421SW                                                   |
| 2K       | 2K00                         | 0.7                      | 0.3           | 1.8 ~ 2.2                  | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR616SW                                               |
|          | 2K01                         | 1.0                      | 0.4           | 2.8 ~ 3.2                  | 1                      | ±20                        | 10 seconds                      | 2                   | Ⓜ / Ⓢ SR616SW<br>Matsushita SR616SW                         |
|          | 2K02, 2K03, 2K22, 2K23       | 1.2                      | 0.4           | 2.3 ~ 2.7                  | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364<br>Matsushita SR621SW |
| 2L       | 2L10                         | 0.4                      | 0.3           | 2.1 ~ 2.6                  | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR516SW<br>Ⓜ / Ⓢ SR516SW<br>Matsushita SR516SW        |
| 2M       | 2M21                         | 2.6                      | 1.6           | 2.6 ~ 3.0                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W                                |
| 2N       | 2N20                         | 0.3                      | 0.2           | 2.0 ~ 2.4                  | 20                     | ±15                        | 10 seconds                      | 2                   | SEIKO SR512SW<br>Ⓜ / Matsushita SR512SW                     |
| 2P       | 2P20                         | 0.4                      | 0.3           | 2.1 ~ 2.6                  | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR516SW<br>Ⓜ / Ⓢ SR516SW<br>Matsushita SR516SW        |
|          | 2P21                         | 0.9                      | 0.3           | 2.8 ~ 3.2                  | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ 379<br>Matsushita SR521SW |
| 2Y       | 2Y00                         | 0.4                      | 0.3           | 2.1 ~ 2.6                  | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR516SW<br>Ⓜ / Ⓢ SR516SW<br>Matsushita SR516SW        |
|          | 2Y01                         | 0.9                      | 0.3           | 2.8 ~ 3.2                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR521SW                                               |
|          | 2Y07                         | 0.9                      | 0.3           | 2.8 ~ 3.2                  | 2                      | ±20                        | 10 seconds                      | 2                   | Ⓜ / Ⓢ SR521SW, Ⓔ 379<br>Matsushita SR521SW                  |
| 23       | 2320, 2340                   | 0.6                      | 0.4           | 1.0 ~ 3.0                  | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364<br>Matsushita SR621SW |
| 26       | 2620, 2621, 2625, 2626       | 2.0                      | 1.1           | 2.0 ~ 4.0                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR726SW<br>Ⓜ / Ⓢ SR726SW, Ⓔ 397                       |
|          | 2661                         | 2.0                      | 1.1           | 2.0 ~ 4.0                  | 1                      | ±15                        | —                               | 3                   |                                                             |
|          | 2622, 2623                   | 2.0                      | 1.1           | 2.0 ~ 4.0                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR41SW<br>Ⓜ / Ⓢ SR41SW, Ⓔ 384                         |
|          | 2625 (Diver's 150m)          | 2.0                      | 1.1           | 2.0 ~ 4.0                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR726SW<br>Ⓜ / Ⓢ SR726SW, Ⓔ 397                       |
|          | 2628                         | 1.2                      | 0.6           | 2.0 ~ 4.0                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR726SW<br>Ⓜ / Ⓢ SR726SW, Ⓔ 397                       |
|          | 2632, 2633, 2639             | 2.0                      | 1.1           | 2.0 ~ 4.0                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR927SW<br>Ⓜ / Ⓢ SR927SW, Ⓔ 395                       |
| 3E       | 3E22, 3E23, 3E29, 3E32, 3E39 | 0.9                      | 0.4           | 3.4 ~ 4.1                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364                       |
|          | 3E25                         | 0.9                      | 0.4           | 3.4 ~ 4.1                  | 1                      | ±15                        | 10 seconds                      | 2                   | Matsushita SR621SW                                          |

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## Analogue - 3

| Cal. No. |                        | Standard value           |               |                                     |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                |
|----------|------------------------|--------------------------|---------------|-------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------------------|
|          |                        | Current consumption (μA) |               | Coil block resistance (kΩ)          | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                            |
|          |                        | Mov't                    | Circuit block |                                     |                        |                            |                                 |                     |                                                            |
| 3F       | 3F30, 3F31             | 0.9                      | 0.5           | 2.8 ~ 3.3                           | 1                      | ±20/year                   | 10 seconds                      | 2                   | SEIKO SR616SW<br>Ⓜ / Ⓢ SR616SW                             |
|          | 3F81                   | 0.9                      | 0.5           | 2.8 ~ 3.3                           | 1                      | ±10/year                   | 10 seconds                      | 2                   | Matsushita SR616SW                                         |
| 3L       | 3L12, 3L14, 3L19       | 0.9                      | 0.4           | 3.4 ~ 4.1                           | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ364<br>Matsushita SR621SW |
| 3M       | 3M21, 3M22             | 0.8                      | 0.4           | 2.4 ~ 3.2<br>AG Coil<br>330 ~ 430 Ω | 1                      | ±15                        | 10 seconds                      | —                   | Electricity Storage Unit                                   |
| 3Y       | 3Y02, 3Y03, 3Y09       | 1.4                      | 0.4           | 2.7 ~ 4.1                           | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ364<br>Matsushita SR621SW |
| 34       | 3421, 3422, 3423       | 1.8                      | 0.6           | 2.0 ~ 4.0                           | 1                      | ±15                        | —                               | 2                   | SEIKO SR726SW<br>Ⓜ / Ⓢ SR726SW, Ⓔ397                       |
| 38       | 3800, 3802, 3803, 3820 | 15.0                     | 3.5           | 2.0 ~ 4.0                           | 1                      | ±15                        | —                               | 1                   | SEIKO SR44SW<br>Ⓜ / Ⓢ SR44SW, Ⓔ303                         |
|          | 3819                   | 15.0                     | 3.5           | 2.0 ~ 4.0                           | 1                      | ±10                        | —                               | 1                   |                                                            |
|          | 3823                   | 15.0                     | 3.5           | 2.0 ~ 4.0                           | 1                      | ±5                         | —                               | 1                   |                                                            |
|          | 3862, 3863             | 15.0                     | 3.5           | 2.0 ~ 4.0                           | 1                      | ±20                        | —                               | 1                   |                                                            |
|          | 3870                   | 15.0                     | 3.5           | 2.0 ~ 4.0                           | 1                      | ±10                        | —                               | 1                   |                                                            |
|          | 3883                   | 15.0                     | 3.5           | 2.0 ~ 4.0                           | 1                      | ±1                         | —                               | 1                   |                                                            |
| 39       | 3922                   | 27.3                     | —             | 1.0 ~ 2.0                           | 1                      | ±10                        | —                               | 1                   |                                                            |
|          | 3923                   | 27.3                     | —             | 1.0 ~ 2.0                           | 1                      | ±5                         | —                               | 1                   |                                                            |
| 4F       | 4F32A, 4F56A           | 1.3                      | 0.9           | 3.6 ~ 4.0                           | 1                      | ±20/year                   | 60 seconds<br>*                 | 5                   | SEIKO CR1612<br>Ⓢ / Matsushita CR1612                      |
| 4J       | 4J27                   | 1.1                      | 0.30          | 2.1 ~ 2.7                           | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ379<br>Matsushita SR521SW |
|          | 4J41, 4J80, 4J81       | 0.62                     | 0.20          | 3.2 ~ 3.8                           | 1                      | ±10/year                   | 10 seconds                      | 2                   | SEIKO SR516SW<br>Ⓜ / Ⓢ SR516SW<br>Matsushita SR516SW       |
|          | 4J51                   | 0.7                      | 0.30          | 3.3 ~ 3.7                           | 1                      | ±10                        | 10 seconds                      | 3                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ379<br>Matsushita SR521SW |
|          | 4J52                   | 1.0                      | 0.30          | 2.1 ~ 2.7                           | 1                      | ±10                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>Ⓜ / Ⓢ SR616SW<br>Matsushita SR616SW       |
|          | 4J85                   | 1.0                      | 0.30          | 2.1 ~ 2.7                           | 1                      | ±10/year                   | 10 seconds                      | 2                   |                                                            |
| 4K       | 4K22, 4K24, 4K25, 4K26 | 1.4                      | 0.4           | 2.7 ~ 4.1                           | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ364                       |
|          | 4K34                   | 0.9                      | 0.4           | 3.4 ~ 4.1                           | 1                      | ±15                        | 10 seconds                      | 3                   | Matsushita SR621SW                                         |
| 4M       | 4M21                   | 0.6                      | 0.2           | 2.2 ~ 2.7<br>AG Coil<br>300 ~ 380 Ω | 1                      | ±15                        | 10 seconds                      | —                   | Electricity Storage Unit                                   |
|          | 4M71                   | 0.6                      | 0.20          | 2.2 ~ 2.7<br>AG Coil<br>300 ~ 380 Ω | 1                      | ±15                        | 10 seconds                      | —                   | Rechargeable Battery                                       |
| 4N       | 4N00                   | 0.5                      | 0.3           | 2.0 ~ 2.4                           | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR516SW                                              |
|          | 4N20, 4N70             | 0.5                      | 0.3           | 2.0 ~ 2.4                           | 20                     | ±15                        | 10 seconds                      | 3                   | Ⓜ / Ⓢ SR516SW                                              |
|          | 4N20D                  | 0.4                      | 0.30          | 2.0 ~ 2.4                           | 20                     | ±15                        | 10 seconds                      | 3                   | Matsushita SR516SW                                         |

\* Pull out the crown to the second click.

↑  
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Any gate

↑  
Ⓜ : MAXELL  
Ⓢ : SONY  
ⓔ : EVEREADY

## Analogue - 4

| Cal. No. |                              | Standard value           |               |                                      |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                                |
|----------|------------------------------|--------------------------|---------------|--------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------|
|          |                              | Current consumption (μA) |               | Coil block resistance (kΩ)           | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                                            |
|          |                              | Mov't                    | Circuit block |                                      |                        |                            |                                 |                     |                                                                            |
| 4N       | 4N01                         | 1.1                      | 0.3           | 2.1 ~ 2.5                            | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, ⓔ 379<br>Matsushita SR521SW                |
|          | 4N21, 4N71                   | 0.8                      | 0.2           | 3.3 ~ 3.7                            | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR516SW<br>Ⓜ / Ⓢ SR516SW<br>Matsushita SR516SW                       |
| 41       | 4100, 4110                   | 3.5                      | 1.5           | 1.5 ~ 3.5                            | 5                      | ±15                        | 10 seconds                      | 1                   | SEIKO SR41SW<br>Ⓜ / Ⓢ SR41SW, ⓔ 384                                        |
|          | 4120, 4122                   | 3.5                      | 1.5           | 2.5 ~ 5.5                            | 1                      | ±15                        | —                               | 1                   |                                                                            |
|          | 4130A                        | 3.5                      | 1.5           | 1.5 ~ 3.5                            | 5                      | ±20                        | 10 seconds                      | 1                   |                                                                            |
|          | 4130B                        | 3.5                      | 1.5           | 2.5 ~ 5.5                            | 1                      | ±20                        | —                               | 1                   |                                                                            |
| 43       | 4300, 4301, 4302, 4303       | 3.5                      | 1.7           | 2.5 ~ 4.0                            | 1                      | ±20                        | —                               | 1                   | SEIKO SR43SW<br>Ⓜ / Ⓢ SR43SW, ⓔ 301<br>SEIKO SR41SW<br>Ⓜ / Ⓢ SR41SW, ⓔ 384 |
|          | 4312, 4316                   | 2.8                      | 1.7           | 2.5 ~ 4.0                            | 1                      | ±15                        | —                               | 2                   |                                                                            |
|          | 4325, 4326                   | 2.8                      | 1.2           | 2.5 ~ 4.0                            | 1                      | ±15                        | —                               | 2                   |                                                                            |
|          | 4335, 4336                   | 2.3                      | 1.2           | 2.5 ~ 4.0                            | 1                      | ±15                        | —                               | 5                   |                                                                            |
|          | 4366                         | 2.8                      | 1.7           | 2.5 ~ 4.0                            | 1                      | ±10                        | —                               | 2                   |                                                                            |
| 46       | 4622, 4623                   | 5.0                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±20                        | —                               | 2                   | SEIKO SR43SW<br>Ⓜ / Ⓢ SR43SW, ⓔ 301                                        |
|          | 4633                         | 5.0                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±15                        | —                               | 2                   |                                                                            |
| 47       | 4700                         | 2.4                      | 1.5           | 1.5 ~ 3.5                            | 2.5                    | ±15                        | 10 seconds                      | 2                   | SEIKO SR41SW<br>Ⓜ / Ⓢ SR41SW, ⓔ 384                                        |
|          | 4720                         | 2.4                      | 1.5           | 1.5 ~ 3.5                            | 2.5                    | ±20                        | 10 seconds                      | 2                   |                                                                            |
| 48       | 4821                         | 2.4                      | —             | 2.5 ~ 5.5                            | 1                      | ±10                        | —                               | 5                   | SEIKO SR43SW<br>Ⓜ / Ⓢ SR43SW, ⓔ 301                                        |
|          | 4803A                        | 5.0                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±15                        | —                               | 2                   |                                                                            |
|          | 4822A, 4823A, 4883A          | 5.0                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±10                        | —                               | 2                   |                                                                            |
|          | 4840A, 4842A, 4843A          | 5.0                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±15                        | —                               | 2                   |                                                                            |
|          | 4822B, 4823B, 4883B          | 3.5                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±10                        | —                               | 2                   | SEIKO SR936SW<br>Ⓜ / Ⓢ SR936SW, ⓔ 394                                      |
|          | 4840B, 4842B, 4843B          | 3.5                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±15                        | —                               | 2                   |                                                                            |
|          | 4826                         | 3.5                      | 2.5           | 1.5 ~ 3.5                            | 1                      | ±10                        | —                               | 10                  | 4018859<br>(Secondary battery unit)                                        |
|          | 5A                           | 5A50, 5A54, 5A70, 5A74   | 0.3           | —                                    | 1.8 ~ 2.6              | 20                         | ±15                             | 10 seconds          |                                                                            |
| 5C       | 5C20, 5C21, 5C22, 5C23, 5C59 | 1.3                      | 0.4           | 2.7 ~ 3.4<br>(40 ~ 90 Ω for speaker) | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR721W<br>Ⓜ SR721W                                                   |
| 5E       | 5E20                         | 0.8                      | 0.6           | 1.2 ~ 1.8                            | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR716SW<br>Ⓜ / Ⓢ SR716SW<br>Matsushita SR716SW                       |
|          | 5E21, 5E29                   | 1.2                      | 0.6           | 3.2 ~ 3.9                            | 1                      | ±15                        | 10 seconds                      | 3                   |                                                                            |
|          | 5E30, 5E31, 5E32, 5E39, 5E42 | 1.2                      | 0.6           | 3.2 ~ 3.9                            | 1                      | ±20/year                   | 10 seconds                      | 3                   |                                                                            |
|          | 5E61                         | 1.2                      | 0.60          | 3.2 ~ 3.9                            | 1                      | ±10/year                   | 10 seconds                      | 3                   |                                                                            |
| 5G       | 5G23                         | 0.8                      | 0.3           | 5.3 ~ 5.8                            | 1                      | ±15                        | 10 seconds                      | 10                  | SEIKO CR2012<br>Matsushita CR2012                                          |
| 5H       | 5H22, 5H23                   | 0.9                      | 0.4           | 2.7 ~ 3.2                            | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, ⓔ 371<br>Matsushita SR920SW                |
|          | 5H26                         | 1.3                      | 0.4           | 2.7 ~ 3.2                            | 1                      | ±15                        | 10 seconds                      | 3                   |                                                                            |

↑ “—” means:  
Any gate

↑ (M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Analogue - 5

| Cal. No. |                                          | Standard value           |               |                                                                                                                         |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                 |
|----------|------------------------------------------|--------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------------------------|
|          |                                          | Current consumption (μA) |               | Coil block resistance (kΩ)                                                                                              | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                             |
|          |                                          | Mov't                    | Circuit block |                                                                                                                         |                        |                            |                                 |                     |                                                             |
| 5J       | 5J22                                     | 0.63                     | 0.13          | Coil (4002523)<br>1.0 ~ 1.2<br>Coil (4002523)<br>280 ~ 360 Ω<br>Coil (4002524)<br>2.00 ~ 2.45<br>AG Coil<br>340 ~ 440 Ω | 1                      | ±15                        | 10 seconds                      | —                   | Electricity Storage Unit                                    |
| 5K       | 5K22, 5K2J                               | 0.8                      | 0.4           | 1.8 ~ 2.2                                                                                                               | 1                      | ±15                        | 10 seconds                      | —                   | Rechargeable Battery                                        |
|          | 5K25                                     | 0.8                      | 0.4           | 1.8 ~ 2.2                                                                                                               | 1                      | ±15                        | 10 seconds                      | —                   | Solar Battery                                               |
| 5L       | 5L10, 5L14, 5L15                         | 0.9                      | 0.4           | 2.7 ~ 3.2                                                                                                               | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, Ⓔ 371<br>Matsushita SR920SW |
| 5M       | 5M22, 5M23                               | 1.0                      | 0.5           | 2.9 ~ 3.4<br>AG Coil<br>280 ~ 380 Ω                                                                                     | 1                      | ±15                        | 10 seconds                      | —                   | Electricity Storage Unit                                    |
|          | 5M25                                     | 1.0                      | 0.5           | 2.9 ~ 3.4<br>AG Coil<br>280 ~ 380 Ω                                                                                     | 1                      | ±15                        | 10 seconds                      | —                   | Capacitor                                                   |
|          | 5M42, 5M43, 5M45, 5M47                   | 0.9                      | 0.5           | 1.7 ~ 2.1<br>AG Coil<br>NEW 1.9 ~ 2.3<br>(OLD280 ~ 380 Ω)                                                               | 1                      | ±15                        | 10 seconds                      | —                   | Electricity Storage Unit                                    |
| 5P       | 5P22, 5P23, 5P29, 5P30, 5P31, 5P32, 5P39 | 0.9                      | 0.4           | 2.7 ~ 3.2                                                                                                               | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, Ⓔ 371<br>Matsushita SR920SW |
| 5S       | 5S21                                     | 2.3                      | 0.4           | 3.4 ~ 4.1                                                                                                               | 0.25                   | ±20                        | 10 seconds                      | 2                   | SEIKO SR927SW<br>Ⓜ / Ⓢ SR927SW, Ⓔ 395                       |
|          | 5S42                                     | 2.4                      | 0.4           | 3.4 ~ 4.1                                                                                                               | 0.25                   | ±20/year                   | 10 seconds                      | 2.5                 |                                                             |
| 5T       | 5T12                                     | 2.5                      | 1.8           | Coil (4002711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3                                                              | 1                      | ±15                        | 10 seconds<br>*                 | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, Ⓔ 399                         |
|          | 5T32, 5T52, 5T72                         | 2.5                      | 1.8           | Coil (4002701, 711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3                                                         | 1                      | ±15                        | 10 seconds<br>*                 | 2                   |                                                             |
|          | 5T50                                     | 2.5                      | 1.8           | Coil (4002711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3                                                              | 1                      | ±15                        | 10 seconds<br>*                 | 2                   |                                                             |
| 5Y       | 5Y00, 5Y01, 5Y02                         | 1.3                      | 0.3           | 2.3 ~ 2.8                                                                                                               | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, Ⓔ 371<br>Matsushita SR920SW |
|          | 5Y13                                     | 1.3                      | 0.3           | 2.3 ~ 2.8                                                                                                               | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR1120SW<br>Ⓜ / Ⓢ SR1120SW, Ⓔ 381                     |
|          | 5Y22, 5Y23, 5Y29, 5Y30, 5Y31, 5Y32, 5Y39 | 1.2                      | 0.4           | 2.7 ~ 3.2                                                                                                               | 1                      | ±20                        | 10 seconds                      | 3                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, Ⓔ 371<br>Matsushita SR920SW |
|          | 5Y37                                     | 1.2                      | 0.4           | 2.7 ~ 3.2                                                                                                               | 2                      | ±20                        | 10 seconds                      | 3                   |                                                             |

\* Pull out the crown at the 4 o'clock side to the second click.

↑  
“—” means:  
Any gate

↑  
Ⓜ : MAXELL  
Ⓢ : SONY  
ⓔ : EVEREADY

## Analogue - 6

| Cal. No. |                                          | Standard value           |               |                                                                                           |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                 |
|----------|------------------------------------------|--------------------------|---------------|-------------------------------------------------------------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------------------------|
|          |                                          | Current consumption (μA) |               | Coil block resistance (kΩ)                                                                | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                             |
|          |                                          | Mov't                    | Circuit block |                                                                                           |                        |                            |                                 |                     |                                                             |
| 5Y       | 5Y75                                     | 1.4                      | 0.50          | 2.4 ~ 2.8                                                                                 | 1                      | ±20                        | 10 seconds                      | —                   | Capacitor                                                   |
|          | 5Y81                                     | 1.2                      | 0.5           | 3.0 ~ 3.4                                                                                 | 1                      | ±20                        | 10 seconds                      | 3                   | SEIKO SR916SW                                               |
|          | 5Y86, 5Y88, 5Y89A                        | 1.2                      | 0.4           | 3.0 ~ 3.4                                                                                 | 1                      | ±20                        | 10 seconds                      | 3                   | Ⓜ / Matsushita SR916SW                                      |
|          | 5Y91                                     | 1.3                      | 0.4           | 2.6 ~ 3.0                                                                                 | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, ⓔ 377<br>Matsushita SR626SW |
|          | 5Y94                                     | 1.2                      | 0.5           | 1.5 ~ 1.9                                                                                 | 1                      | ±20                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>Ⓜ / Ⓢ SR616SW<br>Matsushita SR616SW        |
|          | 5Y95                                     | 1.2                      | 0.5           | 3.0 ~ 3.4                                                                                 | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, ⓔ 364                       |
| 54       | 5420                                     | 1.0                      | 0.7           | 1.5 ~ 2.5                                                                                 | 20                     | ±15                        | 10 seconds                      | 3                   | Matsushita SR621SW                                          |
|          | 5421                                     | 0.9                      | 0.3           | 2.8 ~ 3.4                                                                                 | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR527SW<br>Ⓜ / Ⓢ SR527SW, ⓔ 319                       |
| 58       | 5854, 5855, 5856                         | 2.9                      | 1.4           | 1.5 ~ 3.5                                                                                 | 1                      | ±10                        | —                               | 2                   | SEIKO SR1120SW<br>Ⓜ / Ⓢ SR1120SW, ⓔ 381                     |
| 59       | 5930, 5931, 5932, 5939                   | 1.3                      | 0.7           | 2.0 ~ 4.0                                                                                 | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR721SW                                               |
|          | 5933                                     | 1.3                      | 0.7           | 2.7 ~ 3.1                                                                                 | 1                      | ±15                        | 10 seconds                      | 2                   |                                                             |
| 6F       | 6F22, 6F24, 6F28, 6F29, 6F38             | 1.2                      | 0.4           | 2.7 ~ 3.5                                                                                 | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, ⓔ 371                       |
|          | 6F25, 6F26, 6F75                         | 0.9                      | 0.4           | 2.7 ~ 3.2                                                                                 | 1                      | ±15                        | 10 seconds                      | 5                   | Matsushita SR920SW                                          |
|          | 6F32                                     | 0.9                      | 0.40          | 2.7 ~ 3.5                                                                                 | 1                      | ±15                        | 10 seconds                      | 5                   |                                                             |
|          | 6F34                                     | 1.2                      | 0.4           | 2.8 ~ 3.3                                                                                 | 1                      | ±15                        | 10 seconds                      | 5                   |                                                             |
| 6L       | 6L01                                     | 2.9                      | 0.70          | 2.4 ~ 2.8                                                                                 | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W                                |
| 6M       | 6M12, 6M13, 6M15, 6M23, 6M25, 6M26, 6M37 | 3.0                      | 0.8           | Coil (4002454)<br>1.2 ~ 1.6<br>Coil (4002455)<br>0.8 ~ 1.2<br>Coil (4002456)<br>1.5 ~ 2.1 | 1                      | ±15                        | 10 seconds<br>*                 | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399                         |
|          | 6M91                                     | 2.2                      | 1.39          | Coil (4002454)<br>1.2 ~ 1.6<br>Coil (4002455)<br>0.8 ~ 1.2                                | 1                      | ±15                        | 10 seconds<br>*                 | 3                   |                                                             |
| 60       | 6020A                                    | 0.8                      | 0.6           | 1.5 ~ 3.5                                                                                 | 10                     | ±15                        | —                               | 2                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, ⓔ 371                       |
|          | 6020B, 6030                              | 1.8                      | 0.6           | 1.5 ~ 3.5                                                                                 | 1                      | ±15                        | —                               | 2                   | Matsushita SR920SW                                          |
| 64       | 6423, 6429, 6430, 6431, 6432, 6433, 6439 | 2.5                      | 0.5           | 1.5 ~ 3.5                                                                                 | 1                      | ±15                        | —                               | 2                   | SEIKO SR1120SW<br>Ⓜ / Ⓢ SR1120SW, ⓔ 381                     |
| 65       | 6530, 6531, 6532, 6533, 6539             | 1.3                      | 0.3           | 2.3 ~ 2.8                                                                                 | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, ⓔ 371<br>Matsushita SR920SW |
| 67       | 6730                                     | 0.4                      | 0.3           | 2.6 ~ 2.9                                                                                 | 20                     | ±15                        | 10 seconds                      | 2                   | SEIKO SR712SW<br>Ⓜ SR712SW<br>Matsushita SR712SW            |

\* In the ø MATCH or CHRONO mode.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Analogue - 7

| Cal. No. |                                                                  | Standard value           |               |                                                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                      |
|----------|------------------------------------------------------------------|--------------------------|---------------|------------------------------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------------------------|
|          |                                                                  | Current consumption (μA) |               | Coil block resistance (kΩ)                                 | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                                  |
|          |                                                                  | Mov't                    | Circuit block |                                                            |                        |                            |                                 |                     |                                                                  |
| 69       | 6922, 6923                                                       | 1.0                      | 0.3           | 2.7 ~ 3.7                                                  | 1                      | ±15                        | —                               | 5                   | SEIKO SR927SW<br>Ⓜ / Ⓢ SR927SW, ⓔ 395                            |
| 7A       | 7A07                                                             | 1.8<br>*75.0             | 0.7<br>* —    | Coil A 2.4~3.0<br>Coil B 1.8~2.4                           | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR936SW<br>Ⓜ / Ⓢ SR936SW, ⓔ 394                            |
|          | 7A28, 7A34, 7A36, 7A38, 7A48, 7A54                               | 1.8<br>*75.0             | 0.7<br>* —    | Coil A 2.4~3.0<br>Coil B 1.8~2.4                           | 1                      | ±15                        | 10 seconds                      | 2                   |                                                                  |
| 7C       | 7C11, 7C17                                                       | 1.5                      | 0.3           | 2.0 ~ 2.5                                                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR43SW                                                     |
|          | 7C46                                                             | 1.5                      | 0.3           | 2.1 ~ 2.5                                                  | 1                      | ±15                        | 10 seconds                      | 5                   | Ⓜ / Ⓢ SR43SW, ⓔ 301                                              |
|          | 7C21A                                                            | 0.9                      | 0.25          | 2.7 ~ 3.1                                                  | 1                      | ±15                        | 10 seconds                      | 10                  | SEIKO CR2016<br>Ⓜ / Ⓢ / ⓔ / Sanyo CR2016<br>Matsushita CR2016    |
|          | 7C43                                                             | 1.5                      | 0.3           | 2.1 ~ 2.5                                                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR927SW<br>Ⓜ / Ⓢ SR927SW, ⓔ 395                            |
| 7F       | 7F18, 7F22, 7F24, 7F26, 7F32, 7F38, 7F39, 7F68, 7F69, 7F87, 7F99 | 0.9                      | 0.4           | 2.7 ~ 3.2                                                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR916SW<br>Ⓜ SR916SW<br>Ⓢ SR916SW **<br>Matsushita SR916SW |
| 7G       | 7G21                                                             | 0.9                      | 0.3           | 2.8 ~ 3.2                                                  | 1                      | ±20                        | 10 seconds                      | Watch<br>2          | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, ⓔ 379<br>Matsushita SR521SW      |
|          |                                                                  |                          |               |                                                            |                        |                            |                                 | Light<br>2          | SEIKO CR2012<br>Matsushita CR2012                                |
| 7K       | 7K32                                                             | 2.5                      | 1.80          | Coil (4002691)<br>2.5 ~ 3.2<br>Coil (4002690)<br>2.8 ~ 3.5 | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO CR2012<br>Matsushita CR2012                                |
|          | 7K36                                                             | 2.5                      | 1.8           | Coil (4002691)<br>2.5 ~ 3.2<br>Coil (4002690)<br>2.8 ~ 3.5 | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO CR2012<br>Matsushita CR2012                                |
|          | 7K52                                                             | 1.6                      | 1.4           | Coil (4002690)<br>2.8 ~ 3.5<br>Coil (4002693)<br>1.1 ~ 1.7 | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO CR2016<br>Ⓜ / Ⓢ / ⓔ / Sanyo CR2016<br>Matsushita CR2016    |
| 7M       | 7M12, 7M42                                                       | 1.5                      | 0.50          | 1.8 ~ 2.4<br>AG Coil<br>300 ~ 400 Ω                        | 1                      | ±15                        | 10 seconds                      | —                   | Capacitor                                                        |
|          | 7M22, 7M45                                                       | 1.5                      | 0.5           | 1.7 ~ 2.4<br>AG Coil<br>300 ~ 400 Ω                        | 1                      | ±15                        | 10 seconds                      | —                   | Electricity Storage Unit                                         |
| 7N       | 7N00                                                             | 0.6                      | 0.5           | 1.9 ~ 2.3                                                  | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>Ⓜ / Ⓢ SR616SW                                   |
|          | 7N00C                                                            | 0.5                      | 0.28          | 0.9 ~ 1.3                                                  | 20                     | ±15                        | 10 seconds                      | 5                   | Matsushita SR616SW                                               |
|          | 7N01, 7N07, 7N08, 7N82, 7N83, 7N85, 7N89                         | 1.3                      | 0.4           | 2.4 ~ 2.8                                                  | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, ⓔ 364<br>Matsushita SR621SW      |

\* When stopwatch function is activated.

\*\* Only for Cal. 7F99.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY



## Analogue - 8

| Cal. No. |                                                                                    | Standard value           |               |                                                                 |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                       |
|----------|------------------------------------------------------------------------------------|--------------------------|---------------|-----------------------------------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------------------------------|
|          |                                                                                    | Current consumption (μA) |               | Coil block resistance (kΩ)                                      | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                                   |
|          |                                                                                    | Mov't                    | Circuit block |                                                                 |                        |                            |                                 |                     |                                                                   |
| 7N       | 7N01C, 7N07C, 7N08C, 7N82C, 7N83C, 7N85C, 7N89C                                    | 1.4                      | 0.28          | 0.9 ~ 1.3                                                       | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>(M) / (S) SR621SW, (E) 364<br>Matsushita SR621SW |
|          | 7N01D, 7N07D, 7N08D, 7N82D, 7N83D, 7N89D                                           | 1.1                      | 0.3           | 1.2 ~ 1.7                                                       | 1                      | ±15                        | 10 seconds                      | 3                   |                                                                   |
|          | 7N22, 7N29, 7N33, 7N35, 7N36, 7N42, 7N43                                           | 1.3                      | 0.4           | 2.4 ~ 2.8                                                       | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR920SW<br>(M) / (S) SR920SW, (E) 371<br>Matsushita SR920SW |
|          | 7N21C, 7N22C, 7N29C, 7N32C, 7N33C, 7N35C, 7N36C, 7N39C, 7N42C, 7N43C, 7N47C, 7N48C | 1.2                      | 0.28          | 1.18 ~ 1.58                                                     | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR920SW<br>(M) / (S) SR920SW, (E) 371<br>Matsushita SR920SW |
|          | 7N47                                                                               | 1.1                      | 0.24          | 2.4 ~ 2.8                                                       | 1                      | ±15                        | 10 seconds                      | 5                   |                                                                   |
|          | 7N48                                                                               | 1.3                      | 0.4           | 2.4 ~ 2.8                                                       | 1                      | ±15                        | 10 seconds                      | 5                   |                                                                   |
|          | 7N93, 7N93C                                                                        | 1.3                      | 0.4           | 2.4 ~ 2.8                                                       | 1                      | ±20/year                   | 10 seconds                      | 5                   |                                                                   |
| 7T       | 7T22, 7T27                                                                         | 2.5                      | 1.8           | Coil (4002711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3      | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR927SW<br>(M) / (S) SR927SW, (E) 395                       |
|          | 7T24                                                                               | 2.5<br>*10.0             | 1.8<br>* —    | Coil (4002701)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3      | 1                      | ±15                        | 10 seconds                      | 2                   |                                                                   |
|          | 7T32, 7T34, 7T36, 7T42, 7T44                                                       | 2.5<br>*10.0             | 1.8<br>* —    | Coil (4002701, 711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3 | 1                      | ±15                        | 10 seconds<br>**                | 2                   | SEIKO SR927W<br>(M) / (S) SR927W, (E) 399                         |
|          | 7T39, 7T52, 7T59                                                                   | 2.5                      | 1.8           | Coil (4002711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3      | 1                      | ±15                        | 10 seconds                      | 2                   |                                                                   |
| 71       | 7121, 7122, 7123, 7126, 7143                                                       | 2.0                      | 1.0           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | —                               | 5                   | SEIKO SR1130SW<br>(M) SR1130SW                                    |
| 72       | 7223                                                                               | 2.8                      | 0.9           | 2.0 ~ 4.0<br>(120 ~ 140 Ω for speaker)                          | 1                      | ±15                        | —                               | 3                   | SEIKO SR1130W<br>(M) / (S) SR1130W, (E) 389                       |
| 73       | 7320, 7370                                                                         | 0.6                      | 0.3           | 1.8 ~ 2.3                                                       | 20                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>(M) / (S) SR616SW<br>Matsushita SR616SW          |
|          | 7321, 7371                                                                         | 0.9                      | 0.3           | 2.8 ~ 3.3                                                       | 1                      | ±15                        | 10 seconds                      | 2                   |                                                                   |
| 74       | 7424, 7430, 7431, 7432, 7433, 7434, 7439, 7454                                     | 1.0                      | 0.4           | 2.7 ~ 3.7                                                       | 1                      | ±15                        | —                               | 3                   | SEIKO SR721SW                                                     |
| 75       | 7518, 7545, 7546, 7550, 7559                                                       | 2.4                      | 0.9           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | —                               | 5                   | SEIKO SR43SW<br>(M) / (S) SR43SW, (E) 301                         |
|          | 7548, 7549                                                                         | 2.4                      | 0.9           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | —                               | 3                   |                                                                   |

\* When stopwatch function is activated.

\*\* Pull out the crown at the 4 o'clock side to the second click.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Analogue - 9

| Cal. No. |                                                                  | Standard value           |               |                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                                                                     |
|----------|------------------------------------------------------------------|--------------------------|---------------|----------------------------|------------------------|----------------------------|---------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
|          |                                                                  | Current consumption (μA) |               | Coil block resistance (kΩ) | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                                                                                 |
|          |                                                                  | Mov't                    | Circuit block |                            |                        |                            |                                 |                     |                                                                                                                 |
| 77       | 7730, 7731, 7732, 7750, 7752, 7759, 7770, 7771, 7779             | 1.1                      | 0.6           | 3.0 ~ 3.8                  | 1                      | ±15                        | —                               | 3                   | SEIKO SR916SW<br>Ⓜ SR916SW<br>Matsushita SR916SW                                                                |
|          | 7740, 7741, 7742, 7749                                           | 1.1                      | 0.6           | 3.0 ~ 3.4                  | 1                      | ±15                        | 10 seconds                      | 2.5                 |                                                                                                                 |
|          | 7751                                                             | 1.1                      | 0.5           | 3.0 ~ 3.8                  | 1                      | ±15                        | —                               | 3                   |                                                                                                                 |
|          | 7772                                                             | 1.1                      | 0.6           | 3.0 ~ 3.8                  | 1                      | ±15                        | —                               | 3                   |                                                                                                                 |
| 78       | 7800, 7810, 7812, 7813, 7820, 7830, 7832                         | 2.4                      | 0.8           | 3.0 ~ 5.0                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR927SW<br>Ⓜ / Ⓢ SR927SW, Ⓔ 395                                                                           |
|          | 7853                                                             | 2.4                      | 0.8           | 3.0 ~ 5.0                  | 1                      | ±10                        | —                               | 2                   |                                                                                                                 |
| 79       | 7902, 7903                                                       | 2.4                      | 0.7           | 2.5 ~ 3.5                  | 1                      | ±15                        | —                               | 2                   | SEIKO SR41SW<br>Ⓜ / Ⓢ SR41SW, Ⓔ 384                                                                             |
|          | 7918                                                             | 2.4                      | 0.7           | 2.5 ~ 3.5                  | 1                      | ±20                        | —                               | 2                   |                                                                                                                 |
| 8A       | 8A20                                                             | *10.0                    | 1.5           | 2.4 ~ 2.8                  | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR44W<br>Ⓢ SR44W, Ⓔ 357                                                                                   |
|          | 8A21                                                             | *17.0                    | 1.5           | 2.4 ~ 2.8                  | 1                      | ±15                        | 10 seconds                      | 3                   |                                                                                                                 |
|          | 8A23                                                             | *10.0                    | 1.5           | 2.4 ~ 2.8                  | 0.2                    | ±15                        | 10 seconds                      | 5                   |                                                                                                                 |
|          | 8A24                                                             | *17.0                    | 1.5           | 2.4 ~ 2.8                  | 0.1                    | ±15                        | 10 seconds                      | 3                   |                                                                                                                 |
| 8C       | 8C22, 8C23                                                       | 0.9                      | 0.6           | 3.0 ~ 3.6                  | —                      | ±15                        | —                               | 5 (4)<br>☆          | SEIKO SR726SW<br>☆ (Ⓜ) / Ⓢ SR726SW, Ⓔ 397)<br>SEIKO SR41W<br>Ⓜ / Ⓢ SR41W, Ⓔ 392                                 |
|          | 8C25                                                             | 2.0                      | 1.2           | 2.8 ~ 3.3                  | 1                      | ±15                        | —                               | 3                   |                                                                                                                 |
| 8E       | 8E38                                                             | 1.3                      | 0.4           | 2.3 ~ 2.7                  | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364<br>Matsushita SR621SW                                                     |
| 8F       | 8F32A, 8F33A, 8F56A                                              | 1.3                      | 0.9           | 3.6 ~ 4.0                  | 1                      | ±20/year                   | 60 seconds<br>**                | 10                  | SEIKO CR2412<br>Matsushita CR2412                                                                               |
|          | 8F35A                                                            | 1.3                      | 0.9           | 3.6 ~ 4.0                  | 1                      | ±20/year                   | 60 seconds<br>**                | 8                   |                                                                                                                 |
| 8J       | 8J40, 8J82                                                       | 1.0                      | 0.30          | 2.2 ~ 2.6                  | 1                      | ±10/year                   | 10 seconds                      | 3                   | SEIKO SR916SW<br>Ⓜ SR916SW<br>Matsushita SR916SW<br>SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, Ⓔ 371<br>Matsushita SR920SW |
|          | 8J41, 8J80, 8J81                                                 | 0.91                     | 0.20          | 3.4 ~ 3.8                  | 1                      | ±10/year                   | 10 seconds                      | 3                   |                                                                                                                 |
|          | 8J86                                                             | 1.1                      | 0.30          | 2.2 ~ 2.6                  | 1                      | ±10/year                   | 10 seconds                      | 3                   |                                                                                                                 |
|          | 8J55, 8J56                                                       | 1.1                      | 0.30          | 2.2 ~ 2.6                  | 1                      | ±10/year                   | 10 seconds                      | 5                   |                                                                                                                 |
| 8M       | 8M11, 8M15, 8M18, 8M25, 8M26, 8M32, 8M35, 8M37, 8M44, 8M48, 8M51 | 2.5                      | 1.6           | 1.2 ~ 1.6                  | 12                     | ±15                        | 60 seconds                      | 2.5                 | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W                                                                                    |
| 8N       | 8N20, 8N26, 8N21, 8N25, 8N71                                     | 0.8                      | 0.3           | 3.5 ~ 3.7                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR716SW<br>Ⓜ / Ⓢ SR716SW<br>Matsushita SR716SW                                                            |
|          | 8N40, 8N41                                                       | 0.8                      | 0.3           | 3.5 ~ 3.7                  | 1                      | ±20/year                   | 10 seconds<br>***               | 3                   |                                                                                                                 |
|          | 8N45, 8N46                                                       | 0.8                      | 0.3           | 3.5 ~ 3.7                  | 1                      | ±20/year                   | 10 seconds<br>****              | 3                   |                                                                                                                 |
|          | 8N51, 8N65, 8N81                                                 | 0.8                      | 0.3           | 3.5 ~ 3.7                  | 1                      | ±10/year                   | 10 seconds<br>****              | 3                   |                                                                                                                 |
|          | 8N70, 8N75                                                       | 0.8                      | 0.3           | 3.5 ~ 3.7                  | 1                      | ±15                        | 10 seconds                      | 3                   |                                                                                                                 |
|          | 8N91                                                             | 0.8                      | 0.3           | 3.5 ~ 3.7                  | 1                      | ±5/year                    | 10 seconds<br>****              | 3                   |                                                                                                                 |

\* When stopwatch function is activated.

\*\* Pull out the crown to the second click.

\*\*\* Pull out the crown.

\*\*\*\* In the ø MATCH mode.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

☆ ( ) other than SEIKO

## Analogue - 10

| Cal. No. |                                                      | Standard value           |               |                                                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                       |
|----------|------------------------------------------------------|--------------------------|---------------|------------------------------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------------------------------|
|          |                                                      | Current consumption (μA) |               | Coil block resistance (kΩ)                                 | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                                   |
|          |                                                      | Mov't                    | Circuit block |                                                            |                        |                            |                                 |                     |                                                                   |
| 8S       | 8S21, 8S23                                           | 1.5                      | 0.8           | 3.0 ~ 3.4                                                  | 1                      | ±15                        | 10 seconds                      | —                   | Solar battery                                                     |
| 8T       | 8T23                                                 | 1.9                      | 1.3           | 3.0 ~ 3.4                                                  | 1                      | ±15                        | 10 seconds                      | —                   | Capacitor                                                         |
| 8V       | 8V20, 8V22                                           | 4.0                      | 1.9           | Coil (4002357)<br>1.2 ~ 1.8<br>Coil (4002025)<br>1.9 ~ 2.3 | 1                      | ±20                        | —                               | 2                   | SEIKO SR1130W<br>(M) / (S) SR1130W, (E) 389                       |
|          | 8V36                                                 | 5.5                      | 1.4           | 1.1 ~ 1.5                                                  | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR43W<br>(M) / (S) SR43W, (E) 386                           |
| 8Y       | 8Y21                                                 | 1.3                      | 0.9           | 2.0 ~ 2.4                                                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>(M) / (S) SR621SW, (E) 364<br>Matsushita SR621SW |
| 81       | 8121, 8122, 8123                                     | 1.3                      | 0.3           | 2.3 ~ 2.8                                                  | 1                      | ±15                        | 10 seconds                      | 5                   | SEIKO SR1120SW<br>(M) / (S) SR1120SW, (E) 381                     |
| 82       | 8221, 8222, 8223, 8229                               | 2.0                      | 0.6           | 3.0 ~ 5.0                                                  | 1                      | ±15                        | —                               | 5                   | SEIKO SR936SW<br>(M) / (S) SR936SW, (E) 394                       |
|          | 8241, 8242, 8243, 8249                               | 2.0                      | 0.6           | 3.0 ~ 5.0                                                  | 1                      | ±10                        | —                               | 5                   |                                                                   |
| 84       | 8420                                                 | 0.5                      | 0.3           | 1.5 ~ 2.5                                                  | 20                     | ±15                        | 10 seconds                      | 2                   | SEIKO SR616SW<br>(M) / (S) SR616SW<br>Matsushita SR616SW          |
| 85       | 8522, 8523                                           | 1.2                      | 0.8           | 2.3 ~ 2.9                                                  | 1                      | ±15                        | —                               | 3                   | SEIKO SR726SW<br>(M) / (S) SR726SW, (E) 397                       |
| 86       | 8620                                                 | 0.5                      | 0.4           | 2.0 ~ 4.0                                                  | 10                     | ±15                        | 10 seconds                      | 3                   | SEIKO SR621SW<br>(M) / (S) SR621SW, (E) 364<br>Matsushita SR621SW |
|          | 8621                                                 | 0.9                      | 0.7           | 2.0 ~ 4.0                                                  | 1                      | ±15                        | —                               | 2                   |                                                                   |
| 9A       | 9A85                                                 | 0.6                      | 0.3           | 1.9 ~ 2.5                                                  | 5                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR712SW<br>(M) / Matsushita SR712SW                         |
| 9F       | 9F61, 9F62, 9F82, 9F83                               | 1.8                      | 0.4           | 2.8 ~ 3.2                                                  | 1                      | ±10/year                   | 10 seconds                      | 3                   | SEIKO SR920SW<br>(M) / (S) SR920SW, (E) 371<br>Matsushita SR920SW |
| 9M       | 9M21                                                 | 1.5                      | 1.0           | 1.0 ~ 1.4                                                  | 12                     | ±15                        | 10 seconds<br>*                 | 2                   | Matsushita CR2016<br>(M) / (S) / (E) / Sanyo CR2016               |
| 90       | 9020, 9021, 9022, 9029                               | 0.9                      | 0.3           | 2.7 ~ 3.4                                                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR916SW<br>(M) SR916SW<br>Matsushita SR916SW                |
|          | 9061, 9063                                           | 1.4                      | 0.8           | 2.7 ~ 3.4                                                  | 1                      | ±20/year                   | 10 seconds                      | 3                   |                                                                   |
| 92       | 9223, 9256                                           | 2.9                      | 1.4           | 1.5 ~ 3.5                                                  | 1                      | ±10/year                   | —                               | 2                   | SEIKO SR1120SW<br>(M) / (S) SR1120SW, (E) 381                     |
| 93       | 9300                                                 | 0.8                      | 0.5           | 1.5 ~ 3.5                                                  | 20                     | ±15                        | 10 seconds                      | 2                   | SEIKO SR916SW<br>(M) SR916SW<br>Matsushita SR916SW                |
| 94       | 9441, 9442, 9443                                     | 2.5                      | 1.1           | 1.5 ~ 3.5                                                  | 1                      | ±20/year                   | Choose channel<br>CH-1 of QT99  | 2                   | SEIKO SR1120SW<br>(M) / (S) SR1120SW, (E) 381                     |
|          | 9461                                                 | 2.5                      | 1.1           | 1.5 ~ 3.5                                                  | 1                      | ±10/year                   |                                 |                     |                                                                   |
|          | 9481                                                 | 2.5                      | 1.1           | 1.5 ~ 3.5                                                  | 1                      | ±5/year                    |                                 |                     |                                                                   |
| 95       | 9520, 9521, 9522, 9550, 9552, 9570, 9571, 9572, 9579 | 0.9                      | 0.3           | 2.7 ~ 3.4                                                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR916SW<br>(M) SR916SW<br>Matsushita SR916SW                |

\* In the ø MATCH mode.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Analogue - 11

| Cal. No. |                              | Standard value           |               |                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                 |
|----------|------------------------------|--------------------------|---------------|----------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------------------------|
|          |                              | Current consumption (μA) |               | Coil block resistance (kΩ) | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                             |
|          |                              | Mov't                    | Circuit block |                            |                        |                            |                                 |                     |                                                             |
| 95       | 9530, 9531, 9533, 9539, 9562 | 1.2                      | 0.6           | 2.7 ~ 3.4                  | 1                      | ±20/year                   | 10 seconds                      | 3                   | SEIKO SR916SW<br>Ⓜ SR916SW<br>Matsushita SR916SW            |
|          | 9544                         | 1.2                      | 0.6           | 2.7 ~ 3.4                  | 1                      | ±20/year                   | 10 seconds                      | 5                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, ⓔ 371<br>Matsushita SR920SW |
|          | 9559                         | 0.9                      | 0.3           | 2.7 ~ 3.4                  | 1                      | ±15                        | 10 seconds                      | 3                   | SEIKO SR916SW<br>Ⓜ SR916SW<br>Matsushita SR916SW            |
|          | 9581, 9587                   | 1.2                      | 0.6           | 2.7 ~ 3.4                  | 1                      | ±10/year                   | 10 seconds                      | 3                   |                                                             |
| 96       | 9641, 9642, 9661             | 1.3                      | 0.7           | 2.6 ~ 3.2                  | 1                      | ±20/year                   | 10 seconds                      | 2                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, ⓔ 371<br>Matsushita SR920SW |
|          | 9681, 9682                   | 1.3                      | 0.7           | 2.6 ~ 3.2                  | 1                      | ±5/year                    | 10 seconds                      | 2                   |                                                             |
| 97       | 9721, 9722, 9723, 9726       | 1.9                      | 1.0           | 2.0 ~ 4.0                  | 1                      | ±20/year                   | 10 seconds                      | 5                   | SEIKO SR1130SW<br>Ⓜ SR1130SW                                |
| 99       | 9920, 9921, 9923             | 2.0                      | 0.9           | 2.5 ~ 4.5                  | 1                      | ±20/year                   | Choose channel CH-1 of QT99 *   | 3                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, ⓔ 371                       |
|          | 9940, 9942, 9943             | 2.5                      | 0.9           | 2.5 ~ 4.5                  | 1                      | ±10/year                   | Choose channel CH-1 of QT99 *   | 2                   |                                                             |
|          | 9980, 9983                   | 2.4                      | 0.9           | 2.5 ~ 4.5                  | 1                      | ±5/year                    | Choose channel CH-1 of QT99 *   | 2                   |                                                             |
| N9       | N944, N945                   | 1.2                      | 0.9           | 1.2 ~ 1.8                  | 15                     | ±20                        | 30 or 60 seconds                | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399                         |
|          | N94J                         | 1.2                      | 0.9           | 1.2 ~ 1.8                  | 15                     | ±20                        | 10 seconds                      | 3                   |                                                             |
| V1       | V102, V103                   | 1.5                      | 0.5           | 2.0 ~ 2.5                  | 1                      | ±20                        | 10 seconds                      | —                   | Solar Battery                                               |
|          | V121, V122                   | 1.4                      | 0.5           | 2.4 ~ 2.8                  | 1                      | ±20                        | 10 seconds                      | —                   |                                                             |
|          | V142, V145, V14J, V182       | 0.8                      | 0.4           | 1.8 ~ 2.2                  | 1                      | ±20                        | 10 seconds                      | —                   |                                                             |
| V2       | V220                         | 0.6                      | 0.3           | 1.4 ~ 2.0                  | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, ⓔ 379<br>Matsushita SR521SW |
|          | V220B                        | 0.6                      | 0.3           | 1.7 ~ 2.1                  | 20                     | ±20                        | 10 seconds                      | 3                   |                                                             |
|          | V230                         | 0.6                      | 0.5           | —                          | 20                     | ±20                        | 10 seconds                      | 3                   |                                                             |
|          | V231                         | 0.9                      | 0.6           | 2.9 ~ 3.3                  | 1                      | ±20                        | 10 seconds                      | 2                   |                                                             |
|          | V232                         | 0.8                      | 0.5           | 1.7 ~ 2.1                  | 20                     | ±20                        | 10 seconds                      | 3                   |                                                             |
|          | V233                         | 1.1                      | 0.6           | 3.0 ~ 3.4                  | 1                      | ±20                        | 10 seconds                      | 2                   |                                                             |
|          | V235                         | 0.8                      | 0.5           | 1.6 ~ 2.2                  | 20                     | ±30                        | 10 seconds                      | 3                   |                                                             |
|          | V236                         | 1.4                      | 0.7           | 2.3 ~ 2.7                  | 1                      | ±30                        | 10 seconds                      | 2                   |                                                             |
|          |                              |                          |               |                            |                        |                            |                                 |                     | SEIKO SR527SW<br>Ⓜ / Ⓢ SR527SW, ⓔ 319                       |
|          |                              |                          |               |                            |                        |                            |                                 |                     | SEIKO SR621SW                                               |
|          |                              |                          |               |                            |                        |                            |                                 |                     | Ⓜ / Ⓢ SR621SW, ⓔ 364                                        |
|          |                              |                          |               |                            |                        |                            |                                 |                     | Matsushita SR621SW                                          |
|          |                              |                          |               |                            |                        |                            |                                 |                     |                                                             |
|          |                              |                          |               |                            |                        |                            |                                 |                     |                                                             |
|          |                              |                          |               |                            |                        |                            |                                 |                     |                                                             |
| V3       | V300, V320                   | 0.5                      | 0.4           | 1.5 ~ 1.9                  | 20                     | +20                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>Ⓜ / Ⓢ SR616SW<br>Matsushita SR616SW        |

\* Pull out the crown at the 3 o'clock side to the second click.

“—” means:  
Any gate

(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Analogue - 12

| Cal. No. |                                                                        | Standard value           |               |                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                                              |
|----------|------------------------------------------------------------------------|--------------------------|---------------|----------------------------|------------------------|----------------------------|---------------------------------|---------------------|------------------------------------------------------------------------------------------|
|          |                                                                        | Current consumption (μA) |               | Coil block resistance (kΩ) | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                                                          |
|          |                                                                        | Mov't                    | Circuit block |                            |                        |                            |                                 |                     |                                                                                          |
| V3       | V301                                                                   | 1.2                      | 0.4           | 3.0 ~ 3.4                  | 1                      | +20                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364<br>Matsushita SR621SW                              |
|          | V306                                                                   | 1.2                      | 0.4           | 3.0 ~ 3.4                  | 1                      | ±20                        | 10 seconds                      | 3                   | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377<br>Matsushita SR626SW                              |
|          | V318                                                                   | 1.2                      | 0.4           | 3.0 ~ 3.4                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR716SW<br>Ⓜ / Ⓢ SR716SW<br>Matsushita SR716SW                                     |
|          | V321, V322, V329, V33F, V33G, V33J, V333, V336, V337, V338, V339, V342 | 1.2                      | 0.4           | 3.0 ~ 3.4                  | 1                      | ±20                        | 10 seconds                      | 3                   | SEIKO SR916SW<br>Ⓜ SR916SW<br>Matsushita SR916SW                                         |
|          | V347, V348                                                             | 1.2                      | 0.4           | 3.0 ~ 3.4                  | 1                      | ±20                        | 10 seconds                      | 5                   | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, Ⓔ 371<br>Matsushita SR920SW                              |
| V4       | V400                                                                   | 0.5                      | 0.3           | 2.0 ~ 2.4                  | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR516SW<br>Ⓜ / Ⓢ SR516SW<br>Matsushita SR516SW                                     |
|          | V401                                                                   | 1.1                      | 0.3           | 2.1 ~ 2.5                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR521SW<br>Ⓜ / Ⓢ SR521SW, Ⓔ 379<br>Matsushita SR521SW                              |
|          | V421                                                                   | 2.2                      | —             | 1.5 ~ 1.9                  | 1                      | ±30                        | —                               | 2                   | SEIKO SR726W                                                                             |
| V5       | V422                                                                   | 2.4                      | —             | 1.5 ~ 1.9                  | 1                      | ±30                        | —                               | 2                   | Ⓜ / Ⓢ SR726W                                                                             |
|          | V500, V501, V506, V511, V515, V517                                     | 1.6                      | —             | —                          | 1                      | ±30                        | 10 seconds                      | 2                   | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377<br>Matsushita SR626SW                              |
|          | V500G, V501G, V515F, V515G                                             | 1.0                      | —             | —                          | 1                      | ±20                        | 10 seconds                      | 4                   |                                                                                          |
|          | V501C, V52F                                                            | 1.9                      | —             | —                          | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377<br>Matsushita SR626SW (Ring Module)<br>SR626SW x 2 |
|          | V507                                                                   | 2.3                      | —             | —                          | 1                      | ±20                        | 10 seconds                      | 1.5                 | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377<br>Matsushita SR626SW                              |
|          | V507C, V52G                                                            | 2.3                      | —             | —                          | 1                      | ±20                        | 10 seconds                      | 1.5                 | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377<br>Matsushita SR626SW (Ring Module)<br>SR626SW x 2 |
|          | V516                                                                   | 1.8                      | —             | —                          | 1                      | ±30                        | 10 seconds                      | 2                   | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377<br>Matsushita SR626SW                              |
|          | V52HA                                                                  | 2.8                      | —             | —                          | 1 (AQ)                 | ±20 (AQ)<br>±30 (DQ)       | —<br>Analogue/10 seconds        | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, Ⓔ 399                                                      |
|          | V531, V534                                                             | 4.0                      | —             | —                          | 1                      | ±30                        | —                               | 1.5                 | SEIKO SR927SW                                                                            |
|          | V532, V533, V535, V536, V537, V539, V53L, V544                         | 2.2                      | —             | —                          | 1                      | ±30                        | —                               | 3                   | Ⓜ / Ⓢ SR927SW, Ⓔ 395                                                                     |

↑  
“—” means:  
Any gate

↑  
Ⓜ : MAXELL  
Ⓢ : SONY  
ⓔ : EVEREADY

## Analogue - 13

| Cal. No. |                                                                             | Standard value           |               |                                                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                                         |
|----------|-----------------------------------------------------------------------------|--------------------------|---------------|------------------------------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|---------------------------------------------------------------------|
|          |                                                                             | Current consumption (μA) |               | Coil block resistance (kΩ)                                 | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                                     |
|          |                                                                             | Mov't                    | Circuit block |                                                            |                        |                            |                                 |                     |                                                                     |
| V6       | V600                                                                        | 4.0                      | 1.8           | Coil A 1.4~2.0<br>Coil B 2.3~2.7                           | 1                      | ±20                        | —                               | 2                   | SEIKO SR1130W<br>(M) / (S) SR1130W, (E) 389                         |
|          | V601, V602                                                                  | 4.0                      | 1.8           | Coil A 1.2~1.6<br>Coil B 1.9~2.3                           | 1                      | ±20                        | —                               | 2                   |                                                                     |
|          | V610, V612                                                                  | 1.2                      | 0.7           | 3.0 ~ 3.4                                                  | 1                      | ±20                        | 10 seconds                      | Watch<br>2          | SEIKO SR621SW<br>(M) / (S) SR621SW, (E) 364<br>Matsushita SR621SW * |
|          |                                                                             |                          |               |                                                            |                        |                            |                                 | Timer<br>2          | SEIKO SR626W<br>(M) / (S) SR626W *                                  |
|          | V621                                                                        | 2.8                      | 0.5           | 1.5 ~ 2.0                                                  | 1                      | ±30                        | 10 seconds                      | 2                   | SEIKO SR920W<br>(M) / (S) SR920W                                    |
|          | V636                                                                        | 2.9                      | —             | —                                                          | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR43W<br>(M) / (S) SR43W, (E) 386                             |
|          | V654, V655, V656, V657                                                      | 3.0                      | 1.65          | 1.8 ~ 2.5                                                  | 1                      | ±20                        | —                               | 2                   | SEIKO SR920SW<br>(M) / (S) SR920SW, (E) 371                         |
|          | V655B, V657B                                                                | 2.6                      | 0.4           | 1.2 ~ 1.7                                                  | 1                      | ±20                        | 10 seconds                      | 2                   | Matsushita SR920SW                                                  |
|          | V671                                                                        | 2.9                      | 0.7           | 2.3 ~ 2.9                                                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR920W<br>(M) / (S) SR920W                                    |
|          | V681, V682                                                                  | 3.0                      | 0.8           | Coil (4002456)<br>1.6 ~ 2.0<br>Coil (4002454)<br>1.2 ~ 1.6 | 1                      | ±20                        | 10 seconds<br>**                | 2                   | SEIKO SR927W<br>(M) / (S) SR927W, (E) 399                           |
|          | V691, V692, V693, V694                                                      | 2.5                      | 1.6           | 1.2 ~ 1.6                                                  | 12                     | ±20                        | 60 seconds                      | 2.5                 | SEIKO SR920W<br>(M) / (S) SR920W                                    |
|          | V695                                                                        | 2.50                     | 1.78          | 1.2 ~ 1.6                                                  | 12                     | ±20                        | 60 seconds                      | 2.5                 |                                                                     |
|          | V69F                                                                        | 1.40                     | 0.88          | 1.2 ~ 1.6                                                  | 12                     | ±30                        | 10 seconds                      | 2                   |                                                                     |
| V7       | V700                                                                        | 0.6                      | 0.5           | 1.9 ~ 2.3                                                  | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>(M) / (S) SR616SW<br>Matsushita SR616SW            |
|          | V700C                                                                       | 0.5                      | 0.28          | 0.9 ~ 1.3                                                  | 20                     | ±20                        | 10 seconds                      | 5                   |                                                                     |
|          | V701, V707, V782, V783, V785, V789                                          | 1.3                      | 0.4           | 2.4 ~ 2.8                                                  | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>(M) / (S) SR621SW, (E) 364                         |
|          | V701C, V707C, V708C, V782C, V783C, V785C, V789C                             | 1.4                      | 0.28          | 0.9 ~ 1.3                                                  | 1                      | ±15                        | 10 seconds                      | 2                   | Matsushita SR621SW                                                  |
|          | V701D, V707D, V708D, V782D, V783D, V789D                                    | 1.1                      | 0.30          | 1.2 ~ 1.7                                                  | 1                      | ±20                        | 10 seconds                      | 3                   |                                                                     |
|          | V708A                                                                       | 1.3                      | —             |                                                            | 1                      | ±20                        | 10 seconds                      | 2                   |                                                                     |
|          | V721B                                                                       | 1.2                      | —             |                                                            | 1                      | ±20                        | 10 seconds                      | 5                   | SEIKO SR920SW<br>(M) / (S) SR920SW, (E) 371                         |
|          | V722, V729, V733, V735, V736, V742, V743                                    | 1.3                      | 0.4           | 2.4 ~ 2.8                                                  | 1                      | ±20                        | 10 seconds                      | 3                   | Matsushita SR920SW                                                  |
|          | V721C, V722C, V729C, V732C, V733C, V735C, V736C, V739C, V742C, V743C, V744C | 1.2                      | 0.28          | 1.18 ~ 1.58                                                | 1                      | ±20                        | 10 seconds                      | 5                   |                                                                     |
|          |                                                                             |                          |               |                                                            |                        |                            |                                 |                     |                                                                     |

\* Cal. V610 and V612 require two types of batteries.

\*\* In the CHRONO mode.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Analogue - 14

| Cal. No. |                                    |       | Standard value           |               |                                                            |                        | Measuring gate by Quartz Tester | Battery life (Year) | Battery No. |                                         |
|----------|------------------------------------|-------|--------------------------|---------------|------------------------------------------------------------|------------------------|---------------------------------|---------------------|-------------|-----------------------------------------|
|          |                                    |       | Current consumption (μA) |               | Coil block resistance (kΩ)                                 | Output signal (second) |                                 |                     |             | Time accuracy (sec./month)              |
|          |                                    |       | Mov't                    | Circuit block |                                                            |                        |                                 |                     |             |                                         |
| V8       | V800                               |       | 0.7                      | —             | —                                                          | 20                     | ±20                             | 10 seconds          | 3           | SEIKO SR616SW<br>Ⓜ / Ⓢ SR616SW          |
|          | V801, V805                         |       | 1.0                      | 0.4           | 2.8 ~ 3.2                                                  | 1                      | ±20                             | 10 seconds          | 2           | Matsushita SR616SW                      |
|          | V802, V803, V806                   |       | 1.2                      | 0.4           | 2.3 ~ 2.7                                                  | 1                      | ±20                             | 10 seconds          | 2           | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364   |
|          | V810, V811                         |       | 1.4                      | —             | —                                                          | 1                      | ±30                             | 10 seconds          | 2           | Matsushita SR621SW                      |
|          | V821, V827, V828, V829             |       | 1.6                      | —             | —                                                          | 1                      | ±30                             | 10 seconds          | 2           | SEIKO SR527SW<br>Ⓜ / Ⓢ SR527SW, Ⓔ 319   |
|          | V821C                              |       | 1.4                      | 0.40          | 1.3 ~ 2.0                                                  | 1                      | ±30                             | 10 seconds          | 3           | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377   |
|          | V824                               |       | 0.63                     | 0.55          | 0.65 ~ 2.05                                                | 1                      | ±30                             | 10 seconds          | 2           | Matsushita SR626SW                      |
|          | V851                               |       | 0.8                      | —             | —                                                          | 1                      | ±30                             | 10 seconds          | —           | Capacitor                               |
|          | V891, V892, V893, V894, V896, V899 |       | 1.4                      | 0.4           | 2.7 ~ 4.1                                                  | 1                      | ±20                             | 10 seconds          | 2           | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364   |
| WW       | WWW1                               | V232  | 0.8                      | 0.5           | 1.7 ~ 2.1                                                  | 20                     | ±20                             | 10 seconds          | 3           | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 379   |
|          |                                    | V892  | 1.4                      | 0.4           | 2.7 ~ 4.1                                                  | 1                      | ±20                             | 10 seconds          | 2           | Matsushita SR521SW                      |
|          | WWW2                               | V220B | 0.6                      | 0.3           | 1.7 ~ 2.1                                                  | 20                     | ±20                             | 10 seconds          | 3           | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, Ⓔ 364   |
|          |                                    | V803  | 1.2                      | 0.4           | 2.3 ~ 2.7                                                  | 1                      | ±20                             | 10 seconds          | 2           | Matsushita SR621SW                      |
|          |                                    |       |                          |               |                                                            |                        |                                 |                     |             |                                         |
| Y1       | Y100, Y101, Y102, Y109             |       | 1.3                      | 0.4           | 2.3 ~ 2.8                                                  | 1                      | ±20                             | 10 seconds          | 3           | SEIKO SR920SW<br>Ⓜ / Ⓢ SR920SW, Ⓔ 371   |
|          | Y106, Y107, Y108                   |       | 1.3                      | 0.4           | 2.3 ~ 2.8                                                  | 1                      | ±20                             | 10 seconds          | 4           | Matsushita SR920SW                      |
|          | Y112, Y113                         |       | 1.3                      | 0.4           | 2.3 ~ 2.8                                                  | 1                      | ±20                             | 10 seconds          | 5           | SEIKO SR927SW<br>Ⓜ / Ⓢ SR927SW, Ⓔ 395   |
|          | Y130, Y131                         |       | 1.3                      | 0.4           | 2.6 ~ 3.0                                                  | 2.5 • 1                | ±30                             | 10 seconds          | 3           | SEIKO SR1120SW<br>Ⓜ / Ⓢ SR1120SW, Ⓔ 381 |
|          | Y136                               |       | 1.9                      | —             | —                                                          | 1                      | ±30                             | 10 seconds          | 2           | SEIKO SR726SW<br>Ⓜ / Ⓢ SR726SW, Ⓔ 397   |
|          | Y136G                              |       | 1.0                      | —             | —                                                          | 1                      | ±20                             | 10 seconds          | 4           | SEIKO SR626SW<br>Ⓜ / Ⓢ, Ⓔ 377           |
|          | Y142, Y143, Y145, Y147, Y148       |       | 1.9                      | 0.4           | 2.2 ~ 2.8                                                  | 1                      | ±20                             | 10 seconds          | 3           | Matsushita SR626SW                      |
|          | Y150                               |       | 0.3                      | 0.25          | 2.0 ~ 2.6                                                  | 20                     | ±20                             | 10 seconds          | 3           | SEIKO SR927SW<br>Ⓜ / Ⓢ SR927SW, Ⓔ 395   |
|          | Y151                               |       | 0.7                      | 0.25          | 3.4 ~ 4.1                                                  | 1                      | ±20                             | 10 seconds          | 2           | SEIKO SR416SW<br>Ⓜ SR416SW              |
|          | Y182A, Y182B                       |       | 2.5<br>*10.0             | 1.8           | Coil (4002711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3 | 1                      | ±20                             | 10 seconds<br>**    | 2           | SEIKO SR421SW<br>Ⓜ SR421SW              |
|          |                                    |       |                          |               |                                                            |                        |                                 |                     |             | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, Ⓔ 399     |

\* When stopwatch function is activated.

\*\* Pull out the crown at the 4 o'clock side to the second click.

↑  
“—” means:  
Any gate

↑  
Ⓜ : MAXELL  
Ⓢ : SONY  
ⓔ : EVEREADY



## Analogue - 15

| Cal. No. |                                       | Standard value           |               |                                                                 |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                                               |
|----------|---------------------------------------|--------------------------|---------------|-----------------------------------------------------------------|------------------------|----------------------------|---------------------------------|---------------------|-----------------------------------------------------------|
|          |                                       | Current consumption (μA) |               | Coil block resistance (kΩ)                                      | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                                           |
|          |                                       | Mov't                    | Circuit block |                                                                 |                        |                            |                                 |                     |                                                           |
| Y1       | Y187, Y189                            | 2.5<br><br>*10.0         | 1.8           | Coil (4002701, 711)<br>1.4 ~ 2.4<br>Coil (4002700)<br>1.7 ~ 2.3 | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR927SW<br>Ⓜ / ⓈSR927SW, ⓔ395                       |
| Y3       | Y301                                  | 1.2                      | 0.6           | 3.2 ~ 3.9                                                       | 1                      | ±10/year                   | 10 seconds                      | 3                   | SEIKO SR716SW<br>Ⓜ / ⓈSR716SW                             |
|          | Y302                                  | 1.2                      | 0.6           | 3.2 ~ 3.9                                                       | 1                      | ±20/year                   | 10 seconds                      | 3                   | Matsushita SR716SW                                        |
| Y4       | Y432                                  | 0.9                      | 0.6           | 1.5 ~ 3.5                                                       | 10                     | ±15                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / ⓈSR621SW, ⓔ364                       |
|          | Y434                                  | 0.6                      | 0.5           | 1.4 ~ 3.4                                                       | 10                     | ±20                        | 10 seconds                      | 3                   | Matsushita SR621SW                                        |
|          | Y433                                  | 2.0                      | 1.2           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | —                               | 2                   | SEIKO SR41SW<br>Ⓜ / ⓈSR41SW, ⓔ384                         |
|          | Y468, Y469                            | 1.7                      | 1.1           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | —                               | 2                   | SEIKO SR726SW<br>Ⓜ / ⓈSR726SW, ⓔ397                       |
|          | Y480                                  | 0.9                      | —             | 2.2 ~ 2.6                                                       | 30                     | ±20                        | 10 seconds                      | 4                   | SEIKO SR621SW                                             |
|          | Y481, Y482                            | 1.2                      | —             | 3.0 ~ 3.4                                                       | 1                      | ±20                        | 10 seconds                      | 2                   | Ⓜ / ⓈSR621SW, ⓔ364                                        |
|          | Y483                                  | 1.2                      | 0.9           | 2.0 ~ 2.4                                                       | 1                      | ±20                        | 10 seconds                      | 2                   | Matsushita SR621SW                                        |
|          | Y5                                    | Y504                     | 2.4           | 0.9                                                             | 2.0 ~ 4.0              | 1                          | ±15                             | —                   | 3                                                         |
| Y5       | Y510, Y512, Y513                      | 2.5                      | 0.7           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | 10 seconds                      | 4                   | Ⓜ / ⓈSR43SW, ⓔ301                                         |
|          | Y514                                  | 2.5                      | 0.7           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | 10 seconds                      | 3                   |                                                           |
|          | Y520                                  | 0.6                      | 0.4           | 1.9 ~ 2.5                                                       | 20                     | ±20                        | 10 seconds                      | 2                   | SEIKO SR516SW<br>Ⓜ / ⓈSR516SW<br>Matsushita SR516SW       |
|          | Y541                                  | 2.5                      | 0.6           | 2.0 ~ 4.0                                                       | 1                      | ±15                        | —                               | 2                   | SEIKO SR726SW<br>Ⓜ / ⓈSR726SW, ⓔ397                       |
|          | Y551, Y552, Y553,<br>Y557, Y558, Y559 | 2.5                      | 0.7           | 3.0 ~ 5.0                                                       | 1                      | ±20                        | —                               | 2                   | SEIKO SR927SW<br>Ⓜ / ⓈSR927SW, ⓔ395                       |
|          | Y561, Y562, Y563,<br>Y572, Y573       | 2.5                      | 0.7           | 2.0 ~ 3.0                                                       | 1                      | ±20                        | 10 seconds                      | 3                   | SEIKO SR936SW<br>Ⓜ / ⓈSR936SW, ⓔ394                       |
|          | Y580, Y588                            | 2.0                      | 0.4           | 2.0 ~ 2.5                                                       | 20                     | ±20                        | 10 seconds                      | 3                   | SEIKO SR616SW<br>Ⓜ / ⓈSR616SW<br>Matsushita SR616SW       |
|          | Y590                                  | 1.0                      | 0.7           | 1.5 ~ 2.5                                                       | 20                     | ±20                        | 10 seconds                      | 2                   | SEIKO SR621SW<br>Ⓜ / ⓈSR621SW, ⓔ364<br>Matsushita SR621SW |
|          | Y591                                  | 1.3                      | 0.7           | 2.9 ~ 3.3                                                       | 1                      | ±20                        | 10 seconds                      | 2                   | SEIKO SR527SW<br>Ⓜ / ⓈSR527SW, ⓔ319                       |
|          | Y6                                    | Y642, Y643               | 1.3           | 0.7                                                             | 2.0 ~ 3.0              | 1                          | ±20                             | 10 seconds          | 2                                                         |
| Y9       | Y974, Y975, Y977,<br>Y978             | 1.8                      | —             | —                                                               | 1                      | ±30                        | 10 seconds                      | 1.5                 | SEIKO SR626W<br>Ⓜ / ⓈSR626W                               |
| YM       | YM56                                  | 2.5                      | —             | —                                                               | 1                      | ±15                        | 10 seconds                      | 2                   | SEIKO SR927W<br>Ⓜ / ⓈSR927W, ⓔ399                         |

\* When stopwatch function is activated.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY



## Calibers to be undertaken by the limited service centers only

| Cal. No. |      | Standard value           |               |                            |                        |                            | Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                               |
|----------|------|--------------------------|---------------|----------------------------|------------------------|----------------------------|---------------------------------|---------------------|-------------------------------------------|
|          |      | Current consumption (μA) |               | Coil block resistance (kΩ) | Output signal (second) | Time accuracy (sec./month) |                                 |                     |                                           |
|          |      | Mov't                    | Circuit block |                            |                        |                            |                                 |                     |                                           |
| 67       | 6720 | 0.39                     | 0.3           | 2.95 ~ 3.05                | 10                     | ±15                        | 10 seconds                      | 1                   | SEIKO TR709SW                             |
| 93       | 9320 | 0.8                      | —             | 1.8 ~ 2.7                  | 20                     | ±15                        | 10 seconds                      | 1                   | SEIKO SR909SW                             |
| 94       | 9483 | 2.5                      | 1.1           | 1.5 ~ 3.5                  | 1                      | ±5/year                    | Choose channel CH-1 of QT99     | 2                   | SEIKO SR1120SW<br>Ⓜ / Ⓢ SR1120SW<br>Ⓔ 381 |

↑  
“—” means:  
Any gate

↑  
Ⓜ : MAXELL  
Ⓢ : SONY

# DIGITAL QUARTZ

## Digital - 1

| Cal. No. |                        | Standard value           |               |                                                |                            | Appropriate display when measuring time accuracy | Battery life (Year) | Battery No.                                           |
|----------|------------------------|--------------------------|---------------|------------------------------------------------|----------------------------|--------------------------------------------------|---------------------|-------------------------------------------------------|
|          |                        | Current consumption (μA) |               | Speaker block/ Upconverter coil resistance (Ω) | Time accuracy (sec./month) | Measuring gate by Quartz Tester                  |                     |                                                       |
|          |                        | Mov't                    | Circuit block |                                                |                            |                                                  |                     |                                                       |
| 01       | 0114, 0124             | 10.0                     | —             | —                                              | ±10                        | —                                                | 1                   | SEIKO SR43W<br>Ⓜ / Ⓢ SR43W, ⓔ 386                     |
|          | 0138                   | 3.0                      | —             | —                                              | ±10                        | —                                                | 2                   | SEIKO SR1130W                                         |
|          | 0139                   | 3.0                      | —             | —                                              | ±15                        | —                                                | 2                   | Ⓜ / Ⓢ SR1130W, ⓔ 389                                  |
| 04       | 0432                   | 3.5                      | 3.3           | —                                              | ±15                        | —                                                | 2                   |                                                       |
|          | 0439                   | 3.5                      | 3.3           | —                                              | ±15                        | —                                                | 1                   |                                                       |
| 05       | 0531, 0532             | 3.0                      | 2.0           | —                                              | ±15                        | —                                                | 1                   | SEIKO SR41W                                           |
|          | 0533, 0534             | 4.0                      | 2.5           | —                                              | ±15                        | —                                                | 1                   | Ⓜ / Ⓢ SR41W, ⓔ 392                                    |
| 06       | 0614                   | 10.0                     | 7.0           | —                                              | ±10                        | —                                                | 2                   | SEIKO SR44W<br>Ⓜ/ Ⓢ SR44W, ⓔ 357                      |
|          | 0624, 0634, 0654, 0674 | 6.0                      | 5.0           | —                                              | ±10                        | —                                                | 1                   | SEIKO SR43W<br>Ⓜ / Ⓢ SR43W, ⓔ 386                     |
|          | 0644, 0662, 0664       | 6.0                      | 5.0           | —                                              | ±15                        | —                                                | 1                   |                                                       |
| 87       | 8700                   | 145.0                    | —             | —                                              | ±20                        | —                                                | 1,000H              | SEIKO SR44SW<br>Ⓜ SR44SW, Ⓢ SR44SW, SR44W, ⓔ 303, 357 |
| A0       | A021, A029             | 3.3                      | 2.2           | 70 ~ 90                                        | ±10                        | —                                                | 2                   | SEIKO SR1130W                                         |
|          | A031, A039             | 3.3                      | 2.2           | 70 ~ 90                                        | ±15                        | —                                                | 2                   | Ⓜ / Ⓢ SR1130W, ⓔ 389                                  |
| A1       | A127, A128             | 3.3                      | 3.0           | —                                              | ±15                        | —                                                | 2                   |                                                       |
|          | A129                   | 3.0                      | —             | —                                              | ±15                        | —                                                | 2                   |                                                       |
|          | A133, A134             | 3.3                      | 3.2           | —                                              | ±15                        | —                                                | 2                   |                                                       |
|          | A135                   | 3.3                      | 3.2           | —                                              | ±15                        | —                                                | 2                   |                                                       |
|          | A156                   | 3.5                      | 3.3           | 30 ~ 150                                       | ±10                        | —                                                | 7                   | SEIKO SR1120W<br>Ⓜ SR1120W, ⓔ 391                     |
|          | A158                   | 3.0                      | 2.7           | 30 ~ 150                                       | ±10                        | —                                                | 2                   | Ⓜ XR11630W<br>(Secondary battery unit)                |
|          | A159                   | 4.5                      | 4.3           | 30 ~ 150                                       | ±10                        | —                                                | 1                   | SEIKO SR1130W                                         |
|          | A169                   | 3.5                      | 3.0           | 30 ~ 150                                       | ±10                        | —                                                | 2                   | Ⓜ / Ⓢ SR1130W, ⓔ 389                                  |
|          | A169                   | 3.5                      | 3.0           | 30 ~ 150                                       | ±10                        | —                                                | 2                   |                                                       |
| A2       | A229                   | 2.0                      | 1.6           | —                                              | ±10                        | All segments lit up<br>—                         | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399                   |
|          | A239                   | 4.5                      | 3.6           | 120 ~ 140                                      | ±10                        | All segments lit up<br>—                         | 1.5                 |                                                       |
|          | A257                   | 3.0                      | 2.4           | 120 ~ 140                                      | ±15                        | All segments lit up<br>—                         | 2                   |                                                       |
|          | A258                   | 2.0                      | 1.6           | 120 ~ 140                                      | ±10                        | All segments lit up<br>—                         | 7                   |                                                       |
|          | A259                   | 2.5                      | 2.0           | 120 ~ 140                                      | ±10                        | All segments lit up<br>—                         | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399                   |
| A3       | A354, A359             | 2.5                      | 2.0           | 30 ~ 150                                       | ±10                        | All segments lit up                              | 2                   | SEIKO SR1120W                                         |
|          | A358                   | 2.5                      | 2.4           | 30 ~ 150                                       | ±10                        | —                                                |                     | Ⓜ SR1120W, ⓔ 391                                      |
| A4       | A439                   | 3.0                      | 2.5           | 120 ~ 140                                      | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399                   |
| A5       | A547                   | 1.3                      | 1.0           | 45 ~ 70                                        | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR726W<br>Ⓜ / Ⓢ SR726W                          |
|          | A557                   | 1.3                      | —             | 45 ~ 70                                        | ±15                        | All segments lit up<br>—                         | 7                   | 4018835<br>(Secondary battery unit)                   |
| A6       | A628                   | 2.3                      | 2.0           | 45 ~ 70                                        | ±15                        | Stopwatch is reset.<br>—                         | 7                   | Ⓜ XR9527W<br>(Secondary battery unit)                 |
|          | A638, A639             | 2.2                      | 2.0           | 120 ~ 140                                      | ±15                        | Stopwatch is reset.<br>—                         | 2                   | SEIKO SR41W<br>Ⓜ / Ⓢ SR41W, ⓔ 392                     |

↑  
“—” means:  
Any display  
and/or any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Digital - 2

| Cal. No. |                           | Standard value                 |                  |                                                         |                                  | Appropriate display<br>when measuring<br>time accuracy | Battery<br>life<br>(Year) | Battery No.                                                              |                                                               |
|----------|---------------------------|--------------------------------|------------------|---------------------------------------------------------|----------------------------------|--------------------------------------------------------|---------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------|
|          |                           | Current<br>consumption<br>(μA) |                  | Speaker block/<br>Upconverter<br>coil resistance<br>(Ω) | Time<br>accuracy<br>(sec./month) | Measuring gate by<br>Quartz Tester                     |                           |                                                                          |                                                               |
|          |                           | Mov't                          | Circuit<br>block |                                                         |                                  |                                                        |                           |                                                                          |                                                               |
| A7       | A708                      | 2.0                            | 1.5              | —                                                       | ±15                              | All segments lit up<br>—                               | 3                         | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016            |                                                               |
|          | A714                      | 1.6                            | 1.5              | 40 ~ 80                                                 | ±15                              | All segments lit up<br>—                               | 5                         |                                                                          |                                                               |
|          | A718                      | 2.0                            | 1.5              | 40 ~ 80                                                 | ±15                              | All segments lit up<br>—                               | 3                         |                                                                          |                                                               |
|          | A721                      | 1.8                            | 1.5              | —                                                       | ±20                              | All segments lit up<br>—                               | 2                         |                                                                          |                                                               |
|          | A781                      | 3.0                            | 2.5              | —                                                       | ±20                              | All segments lit up<br>—                               | 3                         |                                                                          |                                                               |
| A8       | A826, A827, A828,<br>A829 | 1.4                            | 1.2              | 70 ~ 90                                                 | ±15                              | All segments lit up<br>—                               | 3                         | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                                    |                                                               |
|          | A860, A861                | 5.5                            | 4.0              | —                                                       | ±20                              | All segments lit up<br>—                               | 2                         |                                                                          |                                                               |
| A9       | A904                      | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | All segments lit up<br>—                               | 7                         | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016            |                                                               |
|          | A906                      | 1.7                            | 1.5              | —                                                       | ±20                              | —                                                      | 5                         |                                                                          |                                                               |
|          | A914                      | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | All segments lit up<br>—                               | 5                         |                                                                          |                                                               |
|          | A927, A939                | 1.7                            | 1.5              | 20 ~ 35                                                 | ±15                              | All segments lit up<br>—                               | 5                         |                                                                          |                                                               |
|          | A944                      | 0.8                            | 0.5              | 80 ~ 120                                                | ±20                              | All segments lit up<br>—                               | 7                         | SEIKO CR1616<br>Matsushita CR1616<br>4025560<br>(Secondary battery unit) |                                                               |
|          | A964                      | 2.0                            | 1.6              | —                                                       | ±20                              | All segments lit up<br>—                               | 2                         |                                                                          | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|          | A965                      | 2.0                            | 1.6              | 54.4 ~ 73.6                                             | ±20                              |                                                        |                           |                                                                          |                                                               |
|          | A966                      | 2.6                            | 1.6              | —                                                       | ±20                              |                                                        |                           |                                                                          |                                                               |
| B0       | B004                      | 1.5                            | 1.3              | 120 ~ 140                                               | ±15                              | Timer is reset<br>—                                    | 2                         | SEIKO SR721W<br>Ⓜ SR721W                                                 |                                                               |
|          | B010                      | 6.6                            | 5.5              | —                                                       | ±20                              | All segments lit up<br>—                               | 2                         | SEIKO CR2032<br>Ⓜ / Ⓢ CR2032<br>Matsushita CR2032                        |                                                               |
| B1       | B122, B137                | 2.0                            | 1.9              | 30 ~ 150                                                | ±15                              | All segments lit up<br>—                               | 2                         | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, Ⓔ399                                       |                                                               |
| B2       | B200                      | 2.3                            | 2.0              | 130 ~ 170                                               | ±15                              | —                                                      | 2                         | SEIKO SR726W<br>Ⓜ / Ⓢ SR726W                                             |                                                               |
| B3       | B337                      | 1.5                            | 1.0              | 45 ~ 70                                                 | ±15                              | All segments lit up<br>—<br>10 second gate             | 2                         | SEIKO SR721W<br>Ⓜ SR721W                                                 |                                                               |
| C1       | C153                      | 4.5                            | 4.3              | —                                                       | ±10                              | —                                                      | 1                         | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, Ⓔ389                                     |                                                               |
| C3       | C359                      | 2.0                            | 1.8              | 30 ~ 150                                                | ±10                              | All segments lit up<br>—                               | 2                         | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, Ⓔ399                                       |                                                               |
| C4       | C439                      | 3.4                            | 2.9              | 120 ~ 140                                               | ±15                              | All segments lit up<br>—                               | 2                         | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, Ⓔ389                                     |                                                               |
| C5       | C515                      | 1.3                            | 1.2              | 40 ~ 80                                                 | ±15                              | All segments lit up<br>—                               | 3                         | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016            |                                                               |

↑ “—” means:  
 Any display  
 and/or any gate

↑ (M) : MAXELL  
 (S) : SONY  
 (E) : EVEREADY

## Digital - 3

| Cal. No. |                  | Standard value           |               |                                               |                            | Appropriate display when measuring time accuracy | Battery life (Year) | Battery No.                                                       |
|----------|------------------|--------------------------|---------------|-----------------------------------------------|----------------------------|--------------------------------------------------|---------------------|-------------------------------------------------------------------|
|          |                  | Current consumption (μA) |               | Speaker block/Upconverter coil resistance (Ω) | Time accuracy (sec./month) |                                                  |                     |                                                                   |
|          |                  | Mov't                    | Circuit block |                                               |                            | Measuring gate by Quartz Tester                  |                     |                                                                   |
| D0       | D031             | 3.0                      | 2.5           | —                                             | ±15                        | All dots lit up<br>—                             | 2                   | SEIKO SR927W<br>(M) / (S) SR927W, (E) 399                         |
| D1       | D138             | 3.2                      | 2.1           | 40 ~ 80                                       | ±15                        | All dots lit up<br>—                             | 2                   | SEIKO SR1120W<br>(M) SR1120W, (E) 391                             |
| D2       | D229             | 4.0                      | 2.8           | 120 ~ 140                                     | ±15                        | All dots lit up<br>—                             | 2                   | SEIKO SR1130W<br>(M) / (S) SR1130W, (E) 389                       |
| D4       | D409             | 6.0                      | 3.5           | 130 ~ 170                                     | ±15                        | All dots lit up<br>—                             | 1.5                 | SEIKO CR2016<br>(M) / (S) / (E) / Sanyo CR2016                    |
|          | D410             | 6.0                      | 3.7           | 130 ~ 170                                     | ±15                        | —                                                | 1.5                 | Matsushita CR2016                                                 |
| F0       | F023, F033       | 1.9                      | 1.5           | —                                             | ±10                        | —                                                | 3                   | SEIKO SR1120SW<br>(M) / (S) SR1120SW, (E) 381                     |
|          | F039             | 1.9                      | 1.5           | —                                             | ±10                        | —                                                | 2                   | SEIKO SR1130W                                                     |
|          | F051             | 2.0                      | 1.6           | —                                             | ±10                        | —                                                | 3                   | (M) / (S) SR1130W, (E) 389                                        |
| F1       | F162             | 2.4                      | 2.0           | —                                             | ±10                        | —                                                | 2                   | SEIKO SR927SW<br>(M) / (S) SR927SW, (E) 395                       |
| F2       | F221, F231       | 1.3                      | 1.0           | —                                             | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR721SW<br>(M) / Matsushita SR721SW                         |
| F3       | F322, F332       | 1.5                      | 1.4           | —                                             | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR916SW<br>(M) / Matsushita SR916SW                         |
| F4       | F421             | 1.8                      | 1.5           | —                                             | ±15                        | All segments lit up<br>—                         | 1                   | SEIKO TR912SW                                                     |
|          | F441             | 1.0                      | 0.9           | —                                             | ±10                        | All segments lit up<br>—                         | 2                   | SEIKO SR916SW<br>(M) SR916SW<br>Matsushita SR916SW                |
| G1       | G139             | 4.0                      | 3.0           | 140 ~ 180                                     | ±20                        | All segments lit up                              | 5                   | SEIKO CR2025<br>(S) CR2025<br>Matsushita CR2025                   |
| G7       | G757             | 2.5                      | 2.4           | 20 ~ 80                                       | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR1120W<br>(M) SR1120W, (E) 391                             |
| L0       | L012             | 2.5                      | 2.3           | —                                             | ±15                        | —                                                | 2                   | SEIKO SR927SW<br>(M) / (S) SR927SW, (E) 395                       |
| L1       | L122             | 0.8                      | 0.7           | —                                             | ±15                        | —                                                | 2                   | SEIKO SR621SW<br>(M) / (S) SR621SW, (E) 364<br>Matsushita SR621SW |
| L2       | L221, L223       | 1.7                      | 1.5           | —                                             | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR726SW<br>(M) / (S) SR726SW, (E) 397                       |
| L4       | L423             | 1.0                      | 0.8           | —                                             | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR721SW                                                     |
| L6       | L600             | 2.2                      | 2.0           | —                                             | ±20                        | —<br>6 seconds                                   | 2                   | SEIKO CR2025<br>(S) CR2025<br>Matsushita CR2025                   |
|          | L620             | 1.3                      | 1.1           | —                                             | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR721SW                                                     |
| L8       | L823             | 1.1                      | 0.9           | —                                             | ±15                        | All segments lit up<br>—                         | 2                   | SEIKO SR916SW<br>(M) SR916SW<br>Matsushita SR916SW                |
| M1       | M154, M158, M159 | 3.5                      | 3.3           | —                                             | ±10                        | Cal. M158: Calendar setting<br>—                 | 2                   | SEIKO SR1130W<br>(M) / (S) SR1130W, (E) 389                       |
| M3       | M354             | 3.5                      | 2.5           | —                                             | ±10                        | Calendar setting<br>—                            | 2                   |                                                                   |

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 and/or any gate

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## Digital - 4

| Cal. No.   |                  | Standard value                 |                  |                                                         |                                  | Appropriate display<br>when measuring<br>time accuracy | Battery<br>life<br>(Year)                         | Battery No.                                                   |
|------------|------------------|--------------------------------|------------------|---------------------------------------------------------|----------------------------------|--------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|
|            |                  | Current<br>consumption<br>(μA) |                  | Speaker block/<br>Upconverter<br>coil resistance<br>(Ω) | Time<br>accuracy<br>(sec./month) |                                                        |                                                   |                                                               |
|            |                  | Mov't                          | Circuit<br>block |                                                         |                                  |                                                        |                                                   |                                                               |
| M4         | M421             | 1.4                            | 0.8              | 130 ~ 170                                               | ±15                              | All segments lit up<br>—                               | 5                                                 | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|            | M422             | 1.4                            | 0.8              | 130 ~ 170                                               | ±20                              | —                                                      | 10                                                | SEIKO CR2025<br>Ⓢ CR2025<br>Matsushita CR2025                 |
| M5         | M516             | 1.7                            | 1.5              | 80 ~ 100                                                | ±10                              | All segments lit up<br>—                               | 2                                                 | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, Ⓔ 389                         |
| M6         | M615             | 3.3                            | —                | —                                                       | ±20                              | All segments lit up                                    | —                                                 | Solar Battery                                                 |
| M7         | M705             | 2.2                            | 1.8              | 50 ~ 90                                                 | ±15                              | All segments lit up<br>—                               | 3                                                 | SEIKO CR2025<br>Ⓢ CR2025                                      |
|            | M725, M726       | 2.0                            | 1.5              | 50 ~ 90                                                 | ±15                              | All segments lit up<br>—                               | 3                                                 | Matsushita CR2025                                             |
|            | M795, M796       | 2.2                            | 1.8              | 150 ~ 190                                               | ±15                              | All segments lit up<br>—                               | 3                                                 |                                                               |
| M9         | M929             | 2.5                            | 2.3              | —                                                       | ±15                              | —                                                      | 2                                                 | SEIKO SR41W<br>Ⓜ / Ⓢ SR41W, Ⓔ 392                             |
| S0         | S021             | 3.5                            | 2.5              | 40 ~ 60                                                 | ±20                              | All segments lit up<br>—                               | 3                                                 | SEIKO SR43W<br>Ⓜ / Ⓢ SR43W, Ⓔ 386                             |
|            | S022             | 2.3                            | 2.0              | —                                                       | ±20                              | All segments lit up<br>—                               | 5                                                 | SEIKO SR43SW<br>Ⓜ / Ⓢ SR43SW, Ⓔ 301                           |
|            | S023             | 2.1                            | 1.7              | —                                                       | ±20                              | —                                                      | 2                                                 | SEIKO SR41W                                                   |
|            | S024             | 2.4                            | 1.7              | —                                                       | ±30                              | —                                                      | 2                                                 | Ⓜ / Ⓢ SR41W, Ⓔ 392                                            |
|            | S025             | 6.0<br>*14.0                   | 5.0<br>* —       | —                                                       | ±30                              | —                                                      | —                                                 | Solar battery                                                 |
|            | S026, S027       | 2.5                            | 1.5              | —                                                       | ±30                              | All segments lit up<br>—                               | 2.5                                               | SEIKO SR41W<br>Ⓜ / Ⓢ SR41W, Ⓔ 392                             |
|            | S031             | 6.5                            | 5.0              | —                                                       | ±30                              | All segments lit up<br>—                               | 3                                                 | SEIKO CR2032<br>Ⓜ / Ⓢ CR2032                                  |
|            | S032             | 6.5                            | 5.0              | 120 ~ 180                                               | ±30                              | All segments lit up<br>—                               | 3                                                 | Matsushita CR2032                                             |
|            | S033             | 6.5                            | 5.0              | 120 ~ 180                                               | ±30                              | All segments lit up<br>—                               | Stop-<br>watch<br>3                               |                                                               |
|            |                  |                                |                  |                                                         |                                  |                                                        | Light<br>1                                        |                                                               |
|            | S034             | 3.9                            | 2.8              | 120 ~ 180                                               | ±30                              | All segments lit up                                    | 3                                                 | SEIKO CR2032<br>Ⓜ / Ⓢ CR2032<br>Matsushita CR2032             |
|            | S035             | —                              | —                | —                                                       | ±30                              | All segments lit up                                    | —                                                 | Solar Battery                                                 |
|            | S038             | 6.5                            | 5.0              | —                                                       | ±30                              | All segments lit up                                    | 3                                                 | SEIKO CR2032                                                  |
|            | S039             | 6.5                            | 5.0              | 120 ~ 180                                               | ±30                              | All segments lit up                                    | 3                                                 | Ⓜ CR2032<br>Matsushita CR2032                                 |
| S051, S052 | 11.0             | 5.5                            | —                | ±30                                                     | All segments lit up<br>—         | 3                                                      | SEIKO CR2032<br>Ⓜ / Ⓢ CR2032<br>Matsushita CR2032 |                                                               |
| S060       | 5.0              | 3.0                            | 40 ~ 60          | ±30                                                     | —                                | 2.5                                                    | SEIKO SR44W                                       |                                                               |
| S1         | S101, S111, S119 | 6.2                            | 5.0              | —                                                       | ±15                              | All segments lit up<br>—                               | 3                                                 | Ⓜ / Ⓢ SR44W, Ⓔ 357                                            |

\* When stopwatch function is activated.

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and/or any gate

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## Digital - 5

| Cal. No. |                  | Standard value           |               |                                               |                            | Appropriate display when measuring time accuracy | Battery life (Year) | Battery No.                                                   |
|----------|------------------|--------------------------|---------------|-----------------------------------------------|----------------------------|--------------------------------------------------|---------------------|---------------------------------------------------------------|
|          |                  | Current consumption (μA) |               | Speaker block/Upconverter coil resistance (Ω) | Time accuracy (sec./month) | Measuring gate by Quartz Tester                  |                     |                                                               |
|          |                  | Mov't                    | Circuit block |                                               |                            |                                                  |                     |                                                               |
| S1       | S120, S123, S124 | 4.0                      | 5.0           | —                                             | ±15                        | All segments lit up<br>—                         | 5                   | SEIKO CR2032<br>Ⓜ / Ⓢ CR2032                                  |
|          | S129             | 6.0                      | 4.0           | —                                             | ±15                        | All segments lit up<br>—                         | 5                   | Matsushita CR2032                                             |
| S2       | S229             | 2.4                      | 2.2           | 70 ~ 90                                       | ±15                        | Stopwatch is reset<br>—                          | 2                   | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016                      |
|          | S234             | 2.4                      | 2.2           | 140 ~ 160                                     | ±15                        | All segments lit up<br>—                         | 2                   | Matsushita CR2016                                             |
|          | S240             | 5.5                      | 4.3           | 120 ~ 180                                     | ±20                        | All segments lit up<br>—                         | 2                   | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                         |
| S3       | S301             | 5.0                      | 3.0           | —                                             | ±30                        | All segments lit up<br>—                         | 2                   | SEIKO SR43SW<br>Ⓜ / Ⓢ SR43SW, Ⓔ 301                           |
|          | S321             | 2.8                      | 1.0           | 50 ~ 70                                       | ±30                        | Free timer setting<br>—                          | 2                   | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|          | S341             | 3.5                      | 3.0           | 40 ~ 80                                       | ±20                        | All segments lit up<br>—                         | 2                   | SEIKO SR44W<br>Ⓜ / Ⓢ SR44W, Ⓔ 357                             |
|          | S351             | 6.0                      | 4.0           | —                                             | ±15                        | All segments lit up<br>—                         | 3                   | SEIKO CR2032<br>Ⓜ / Ⓢ CR2032<br>Matsushita CR2032             |
| S5       | S501, S521       | 8.0                      | 6.0           | 40 ~ 60                                       | ±15                        | All dots lit up<br>—                             | 2                   | SEIKO BR2325<br>Matsushita BR2325                             |
| S6       | S600             | 1.5                      | 1.5           | —                                             | ±20                        | All segments lit up<br>—                         | 3                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, Ⓔ 399                           |
|          | S610             | 4.7                      | 3.5           | 120 ~ 180                                     | ±20                        | —                                                | 2                   | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|          | S640             | 4.4                      | 2.90          | —                                             | ±20                        | All segments lit up                              | 2                   | SEIKO CR2025                                                  |
|          | S651A            | 5.5                      | —             | —                                             | ±20                        | All segments lit up                              | 2                   | Ⓢ / Matsushita CR2025                                         |
| S7       | S701             | 5.0                      | 4.50          | —                                             | ±15                        | All segments lit up                              | 3                   | SEIKO CR2032<br>Ⓜ / Matsushita CR2032                         |
| S8       | S800             | 4.0                      | 2.0           | 125 ~ 175                                     | ±20                        | All segments lit up                              | 2                   | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                         |
|          | S820, S821       | 4.2                      | 3.7           | 125 ~ 175                                     | ±20                        | All segments lit up<br>—                         | 2                   | SEIKO CR2025<br>Ⓢ CR2025<br>Matsushita CR2025                 |
| UW       | UW01             | 18.0                     | 10.0          | 110 ~ 150                                     | ±15                        | All dots lit up<br>—                             | 1.5                 | SEIKO BR2325<br>Matsushita BR2325                             |
| W0       | W027, W028, W029 | 1.5                      | 1.3           | 70 ~ 90                                       | ±15                        | All segments lit up<br>—                         | 3                   | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016                      |
|          | W040             | 1.4                      | 0.8           | 130 ~ 170                                     | ±20                        | —                                                | 5                   | Matsushita CR2016                                             |
|          | W041             | 1.4                      | 0.8           | 130 ~ 170                                     | ±20                        | —                                                | 10                  | SEIKO CR2025<br>Ⓢ CR2025<br>Matsushita CR2025                 |
|          | W050             | 4.7                      | 3.7           | 125 ~ 175                                     | ±20                        | —                                                | 2                   | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|          | W060A            | 3.9                      | 2.80          | —                                             | ±45                        | All segments lit up                              | 2                   | SEIKO SR44W<br>Ⓜ / Ⓢ SR44W, Ⓔ 357                             |
|          | W061, W062       | 5.5                      | —             | —                                             | ±30                        | All segments lit up<br>—                         | 2                   | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                         |

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## Digital - 6

| Cal. No. |                  | Standard value                 |                  |                                                         |                                  | Appropriate display<br>when measuring<br>time accuracy | Battery<br>life<br>(Year) | Battery No.                                                   |
|----------|------------------|--------------------------------|------------------|---------------------------------------------------------|----------------------------------|--------------------------------------------------------|---------------------------|---------------------------------------------------------------|
|          |                  | Current<br>consumption<br>(μA) |                  | Speaker block/<br>Upconverter<br>coil resistance<br>(Ω) | Time<br>accuracy<br>(sec./month) | Measuring gate by<br>Quartz Tester                     |                           |                                                               |
|          |                  | Mov't                          | Circuit<br>block |                                                         |                                  |                                                        |                           |                                                               |
| W1       | W100             | 4.0                            | —                | —                                                       | ±30                              | All segments lit up<br>—                               | 2.5                       | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                         |
|          | W110             | 4.0                            | —                | —                                                       | ±30                              | All segments lit up<br>—                               | 5                         |                                                               |
|          | W120, W130       | 2.0                            | —                | —                                                       | ±30                              | Stopwatch is reset<br>—                                | 8                         |                                                               |
|          | W140             | 1.7                            | —                | —                                                       | ±30                              | Stopwatch is reset<br>—                                | 7                         | SEIKO CR2016<br>Ⓜ / Ⓢ / ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|          | W150             | 4.0                            | —                | —                                                       | ±30                              | All segments lit up<br>—                               | 3                         | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                         |
|          | W160             | 6.1                            | —                | —                                                       | ±30                              | All segments lit up<br>—                               | 2.5                       |                                                               |
| W2       | W200             | 2.0                            | 1.7              | —                                                       | ±30                              | —                                                      | 3                         | SEIKO SR726SW                                                 |
|          | W201             | 2.0                            | 1.7              | —                                                       | ±20                              | —                                                      | 2                         | Ⓜ / Ⓢ SR726SW, ⓔ 397                                          |
|          | W204             | 1.4                            | 1.2              | —                                                       | ±30                              | —                                                      | 2                         | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, ⓔ 364<br>Matsushita SR621SW   |
|          | W205             | 0.5                            | 0.3              | —                                                       | ±30                              | —                                                      | 7                         | SEIKO CR1220                                                  |
|          | W206             | 0.7                            | 0.5              | —                                                       | ±30                              | —                                                      | 5                         | Sanyo / Ⓢ CR1220                                              |
|          | W207             | 2.3                            | 2.0              | 130 ~ 170                                               | ±20                              | —                                                      | 2                         | SEIKO SR726W<br>Ⓜ / Ⓢ SR726W                                  |
|          | W209             | 2.0                            | —                | —                                                       | ±30                              | —                                                      | 2                         | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, ⓔ 377<br>Matsushita SR626SW   |
|          | W210             | 1.8                            | —                | —                                                       | ±30                              | —                                                      | 1.5                       | SEIKO SR621SW<br>Ⓜ / Ⓢ SR621SW, ⓔ 364<br>Matsushita SR621SW   |
|          | W240             | 3.3                            | 1.7              | 62 ~ 102                                                | ±20                              | All segments lit up                                    | 2                         | Matsushita CR1620                                             |
| W3       | W304             | 2.0                            | 1.8              | 50 ~ 90                                                 | ±20                              | —                                                      | 2                         | SEIKO CR2016                                                  |
|          | W306             | 1.7                            | 1.5              | —                                                       | ±20                              | —                                                      | 5                         | Ⓜ / Ⓢ / ⓔ / Sanyo CR2016<br>Matsushita CR2016                 |
|          | W307, W308, W329 | 1.7                            | 1.5              | —                                                       | ±20                              | —                                                      | 7                         |                                                               |
|          | W309             | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | —                                                      | 7                         |                                                               |
|          | W325             | 2.5                            | 2.3              | 50 ~ 90                                                 | ±20                              | —                                                      | 2                         |                                                               |
|          | W339A            | 4.0                            | 3.0              | 140 ~ 180                                               | ±20                              | All segments lit up<br>6 seconds                       | 5                         | SEIKO CR2025<br>Ⓢ CR2025                                      |
|          | W339B            | 4.0                            | —                | —                                                       | ±20                              | All segments lit up<br>—                               | 5                         | Matsushita CR2025                                             |
|          | W348, W349A      | 4.0                            | —                | —                                                       | ±20                              | All segments lit up                                    | 5                         |                                                               |
|          | W357, W358       | 4.0                            | 3.0              | 50 ~ 90                                                 | ±20                              | All segments lit up<br>—                               | 3                         |                                                               |
| W359     | 4.0              | 3.0                            | 60 ~ 80          | ±20                                                     | All segments lit up<br>—         | 5                                                      |                           |                                                               |
| W4       | W401             | 0.6                            | 0.5              | —                                                       | ±30                              | —                                                      | 5                         | SEIKO CR1220<br>Sanyo / Ⓢ CR1220                              |
|          | W410             | 2.0                            | 1.7              | —                                                       | ±30                              | —                                                      | 1.5                       | SEIKO SR721W<br>Ⓜ SR721W                                      |
|          | W440             | 8.3                            | 5.5              | —                                                       | ±20                              | All segments lit up<br>—                               | 2                         | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                         |

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(E) : EVEREADY

## Digital - 7

| Cal. No. |                                 | Standard value                 |                  |                                                         |                                  | Appropriate display<br>when measuring<br>time accuracy | Battery<br>life<br>(Year) | Battery No.                                                         |
|----------|---------------------------------|--------------------------------|------------------|---------------------------------------------------------|----------------------------------|--------------------------------------------------------|---------------------------|---------------------------------------------------------------------|
|          |                                 | Current<br>consumption<br>(μA) |                  | Speaker block/<br>Upconverter<br>coil resistance<br>(Ω) | Time<br>accuracy<br>(sec./month) |                                                        |                           |                                                                     |
|          |                                 | Mov't                          | Circuit<br>block |                                                         |                                  |                                                        |                           |                                                                     |
| W5       | W590, W591                      | 2.5                            | —                | —                                                       | ±30                              | All segments lit up<br>—                               | 3                         | SEIKO CR2016<br>(M) / (S) / (E) / Sanyo CR2016<br>Matsushita CR2016 |
|          | W598                            | 3.0                            | —                | —                                                       | ±30                              | In the SECOND display<br>—                             | 2                         | SEIKO SR920W<br>(M) / (S) SR920W                                    |
| W6       | W600                            | 1.5                            | 1.0              | —                                                       | ±20                              | —                                                      | 3                         | SEIKO SR927W<br>(M) / (S) SR927W, (E) 399                           |
|          | W610                            | 2.4                            | 2.1              | —                                                       | ±30                              | —                                                      | 2.5                       | SEIKO SR41W<br>(M) / (S) SR41W, (E) 392                             |
|          | W620, W650                      | 4.4                            | —                | 62 ~ 102                                                | ±20                              | All segments lit up                                    | 2                         | SEIKO CR2025<br>(S) CR2025<br>Matsushita CR2025                     |
|          | W621A                           | 5.0                            | —                | —                                                       | ±20                              | All segments lit up                                    | 2                         |                                                                     |
|          | W626A                           | 3.9                            | —                | —                                                       | ±20                              | All segments lit up                                    | 2                         |                                                                     |
|          | W670A, W671A                    | 5.5                            | —                | —                                                       | ±20                              | All segments lit up                                    | 2                         |                                                                     |
|          | W680                            | 5.0                            | —                | 62 ~ 102                                                | ±20                              | All segments lit up                                    | 2                         |                                                                     |
|          | W700                            | 4.0                            | 3.0              | 140 ~ 180                                               | ±20                              | All segments lit up<br>—                               | 3                         |                                                                     |
|          | W701                            | 4.0                            | —                | —                                                       | ±20                              | All segments lit up                                    | 3                         |                                                                     |
| W730     | 2.5                             | 1.5                            | 50 ~ 90          | ±20                                                     | All segments lit up<br>—         | 3                                                      |                           |                                                                     |
| W7       | W750, W751, W753,<br>W760       | 3.0                            | 2.0              | 150 ~ 190                                               | ±20                              | All segments lit up<br>—                               | 3                         | SEIKO CR2025<br>(S) / Matsushita CR2025                             |
|          | W754, W780                      | 3.0                            | —                | —                                                       | ±20                              | All segments lit up                                    | 3                         |                                                                     |
|          | W800                            | 5.5                            | —                | 125 ~ 175                                               | ±20                              | All segments lit up<br>—                               | 2                         |                                                                     |
|          | W801                            | 6.5                            | —                | 125 ~ 175                                               | ±20                              | All segments lit up<br>—                               | 2                         |                                                                     |
|          | W802, W820                      | 4.0                            | —                | 125 ~ 175                                               | ±20                              | All segments lit up<br>—                               | 2                         |                                                                     |
| W8       | W803A                           | 6.1                            | —                | —                                                       | ±20                              | All segments lit up                                    | 2                         |                                                                     |
|          | W810                            | 4.5                            | —                | 125 ~ 175                                               | ±20                              | All segments lit up<br>—                               | 2                         |                                                                     |
|          | W850, W851, W852,<br>W853, W854 | 9.4                            | 5.5              | —                                                       | ±20                              | All segments lit up<br>—                               |                           |                                                                     |
|          | W921                            | 4.0                            | 2.0              | —                                                       | ±30                              | All segments lit up<br>—                               | 2                         |                                                                     |
|          | Y430                            | 2.1                            | 1.9              | —                                                       | ±20                              | —                                                      | 2                         |                                                                     |
| Y4       | Y446, Y456                      | 4.3                            | 4.0              | 120 ~ 140                                               | ±20                              | —                                                      | 1                         |                                                                     |
|          | Y440, Y450                      | 2.2                            | 2.0              | —                                                       | ±20                              | —                                                      | 2                         |                                                                     |
|          | Y448                            | 3.5                            | 3.1              | —                                                       | ±15                              | —                                                      | 2                         |                                                                     |
|          | Y476                            | 2.8                            | 2.4              | 120 ~ 140                                               | ±20                              | —                                                      | 2                         |                                                                     |
|          | Y478                            | 3.0                            | 2.6              | —                                                       | ±15                              | All segments lit up<br>—                               | 1.5                       |                                                                     |
|          | Y486                            | 2.7                            | 2.3              | 120 ~ 140                                               | ±15                              | Stopwatch is reset.<br>—                               | 2                         |                                                                     |
|          | Y490                            | 1.2                            | 0.8              | —                                                       | ±20                              | All segments lit up<br>—                               | 2                         |                                                                     |
|          | Y491, Y499                      | 2.2                            | 1.8              | —                                                       | ±20                              | —                                                      | 2                         |                                                                     |
|          |                                 |                                |                  |                                                         |                                  |                                                        |                           |                                                                     |

↑  
“—” means:  
Any display  
and/or any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY



## Digital - 8

| Cal. No. |                                       | Standard value                 |                  |                                                         |                                  | Appropriate display<br>when measuring<br>time accuracy | Battery<br>life<br>(Year) | Battery No.                                                   |
|----------|---------------------------------------|--------------------------------|------------------|---------------------------------------------------------|----------------------------------|--------------------------------------------------------|---------------------------|---------------------------------------------------------------|
|          |                                       | Current<br>consumption<br>(μA) |                  | Speaker block/<br>Upconverter<br>coil resistance<br>(Ω) | Time<br>accuracy<br>(sec./month) | Measuring gate by<br>Quartz Tester                     |                           |                                                               |
|          |                                       | Mov't                          | Circuit<br>block |                                                         |                                  |                                                        |                           |                                                               |
| Y6       | Y661, Y662                            | 1.5                            | 1.3              | 120 ~ 140                                               | ±20                              | Stopwatch is reset.<br>—                               | 2                         | SEIKO SR721W<br>Ⓜ SR721W                                      |
|          | Y665                                  | 1.0                            | 0.8              | 70 ~ 95                                                 | ±15                              | All segments lit up<br>—                               | 4                         | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016                      |
|          | Y666                                  | 1.0                            | 0.8              | 70 ~ 95                                                 | ±15                              | All segments lit up<br>—                               | 3                         | Matsushita CR2016                                             |
|          | Y670                                  | 1.7                            | 1.5              | 120 ~ 140                                               | ±15                              | Stopwatch is reset.                                    | 2                         | SEIKO SR726W<br>Ⓜ / Ⓢ SR726W                                  |
| Y7       | Y702                                  | 3.0                            | 2.8              | —                                                       | ±15                              | —                                                      | 2                         | SEIKO SR1130W                                                 |
|          | Y703                                  | 3.0                            | 2.8              | 30 ~ 150                                                | ±15                              | —                                                      | 2                         | Ⓜ / Ⓢ SR1130W, Ⓔ 389                                          |
|          | Y709                                  | 3.0                            | 2.8              | 30 ~ 150                                                | ±15                              | —                                                      | 1                         | SEIKO SR1120W<br>Ⓜ SR1120W, Ⓔ 391                             |
|          | Y710, Y715, Y716                      | 2.2                            | 1.7              | 50 ~ 90                                                 | ±15                              | —                                                      | 3                         | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|          | Y717A                                 | 3.0                            | —                | —                                                       | ±30                              | Stopwatch is reset.                                    | 3                         | SEIKO CR2025                                                  |
|          | Y718                                  | 4.0                            | —                | —                                                       | ±30                              | All segments lit up<br>—                               | 3                         | Ⓢ CR2025<br>Matsushita CR2025                                 |
|          | Y723, Y726, Y728,<br>Y729             | 2.5                            | 2.3              | —                                                       | ±20                              | —                                                      | 1                         | SEIKO SR41W<br>Ⓜ / Ⓢ SR41W, Ⓔ 392                             |
|          | Y731                                  | 0.5                            | —                | —                                                       | ±30                              | —                                                      | 7                         | SEIKO CR1220<br>Ⓢ / Sanyo CR1220                              |
|          | Y735                                  | 1.3                            | 1.2              | 50 ~ 90                                                 | ±15                              | —                                                      | 3                         | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016<br>Matsushita CR2016 |
|          | Y737A                                 | 4.0                            | —                | —                                                       | ±20                              | —                                                      | 3                         | SEIKO CR2025<br>Ⓢ / Matsushita CR2025                         |
|          | Y739                                  | 7.0                            | 6.0              | 30 ~ 150                                                | ±20                              | —                                                      | 1.5                       | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, Ⓔ 389                         |
|          | Y740, Y744, Y746,<br>Y749, Y750, Y756 | 1.3                            | 1.3              | —                                                       | ±15                              | 10 seconds                                             | 5                         | SEIKO CR2016<br>Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016                      |
|          | Y753, Y755, Y757,<br>Y758             | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | 10 seconds                                             | 3                         | Matsushita CR2016                                             |
|          | Y754, Y770                            | 1.7                            | 1.5              | 50 ~ 70                                                 | ±15                              | 10 seconds                                             | 5                         | SEIKO CR2016                                                  |
|          | Y755, Y758                            | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | 10 seconds                                             | 3                         | Ⓜ / Ⓢ / Ⓔ / Sanyo CR2016                                      |
|          | Y759                                  | 1.3                            | 1.3              | 20 ~ 30                                                 | ±15                              | 10 seconds                                             | 5                         | Matsushita CR2016                                             |
|          | Y760, Y761                            | 1.7                            | 1.5              | 20 ~ 35                                                 | ±15                              | —                                                      | 3                         |                                                               |
|          | Y765                                  | 3.0                            | 2.0              | 50 ~ 90                                                 | ±15                              | —                                                      | 3                         |                                                               |
|          | Y771, Y772                            | 3.2                            | 2.5              | 50 ~ 90                                                 | ±15                              | —                                                      | 2                         |                                                               |
|          | Y778                                  | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | —                                                      | 3                         |                                                               |
|          | Y780                                  | 1.7                            | 1.5              | —                                                       | ±20                              | —                                                      | 6                         |                                                               |
|          | Y785                                  | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | —                                                      | 5                         |                                                               |
|          | Y786                                  | 1.7                            | 1.5              | —                                                       | ±20                              | —                                                      | 5                         |                                                               |
|          | Y789                                  | 1.7                            | 1.5              | 50 ~ 90                                                 | ±20                              | —                                                      | 4                         |                                                               |
|          | Y792                                  | 2.0                            | 2.0              | —                                                       | ±30                              | —                                                      | 3                         | SEIKO SR626SW<br>Ⓜ / Ⓢ SR626SW, Ⓔ 377<br>Matsushita SR626SW   |
|          | Y798                                  | 1.4                            | 1.4              | —                                                       | ±30                              | —                                                      | 1.5                       | SEIKO SR626W                                                  |
|          | Y799                                  | 2.3                            | 2.3              | —                                                       | ±30                              | —                                                      | 2                         | Ⓜ / Ⓢ SR626W                                                  |

\* Two pieces are required.

↑ “—” means:  
Any display  
and/or any gate

↑ (M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

| Cal. No. |            | Standard value                       |                  |                                                                  |                                  | Appropriate display<br>when measuring<br>time accuracy | Battery<br>life<br>(Year) | Battery No.                                   |
|----------|------------|--------------------------------------|------------------|------------------------------------------------------------------|----------------------------------|--------------------------------------------------------|---------------------------|-----------------------------------------------|
|          |            | Current<br>consumption<br>( $\mu$ A) |                  | Speaker block/<br>Upconverter<br>coil resistance<br>( $\Omega$ ) | Time<br>accuracy<br>(sec./month) | Measuring gate by<br>Quartz Tester                     |                           |                                               |
|          |            | Mov't                                | Circuit<br>block |                                                                  |                                  |                                                        |                           |                                               |
| Y8       | Y800       | 1.0                                  | 0.8              | —                                                                | $\pm 20$                         | —                                                      | 3                         | SEIKO SR726SW<br>(M) / (S) SR726SW, (E) 397   |
|          | Y816       | 1.6                                  | 1.4              | —                                                                | $\pm 20$                         | All segments lit up<br>—                               | 3                         | SEIKO SR1120SW<br>(M) / (S) SR1120SW, (E) 381 |
|          | Y818       | 2.2                                  | 1.7              | —                                                                | $\pm 20$                         | All segments lit up<br>—                               | 2                         |                                               |
|          | Y819       | 1.6                                  | 1.4              | 130 ~ 170                                                        | $\pm 20$                         | All segments lit up<br>—                               | 3                         | SEIKO SR1120W<br>(M) SR1120W, (E) 391         |
|          | Y822       | 4.0                                  | 3.5              | 40 ~ 60                                                          | $\pm 15$                         | —                                                      | 1                         | SEIKO SR1130W                                 |
|          | Y823       | 4.0                                  | 3.5              | 60 ~ 80                                                          | $\pm 15$                         | —                                                      | 1.5                       | (M) / (S) SR1130W, (E) 389 *                  |
|          | Y824       | 2.2                                  | 1.7              | 60 ~ 80                                                          | $\pm 15$                         | —                                                      | 1.5                       |                                               |
|          | Y825       | 2.0                                  | 1.5              | 60 ~ 80                                                          | $\pm 15$                         | —                                                      | 1                         |                                               |
|          | Y829       | 4.0                                  | 3.5              | 60 ~ 80                                                          | $\pm 15$                         | —                                                      | 1                         |                                               |
| YS       | YS30, YS31 | 1.5                                  | —                | —                                                                | $\pm 20$                         | —                                                      | 2                         | SEIKO SR527SW<br>(M) / (S) SR527SW, (E) 319   |

\* Two pieces are required.

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Any display  
and/or any gate

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(E) : EVEREADY

## Duo Display - 1

| Cal. No. |                      | Standard value           |               |                                                                |                                                 |                        |                             | Measuring time accuracy for Analogue/Digital watch/Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                           |
|----------|----------------------|--------------------------|---------------|----------------------------------------------------------------|-------------------------------------------------|------------------------|-----------------------------|------------------------------------------------------------------------------------|---------------------|---------------------------------------|
|          |                      | Current consumption (μA) |               | Coil block resistance (kΩ)                                     | Speaker block/ Upconverter coil resistance (kΩ) | Output signal (second) | Time accuracy (sec./ month) |                                                                                    |                     |                                       |
|          |                      | Mov't                    | Circuit block |                                                                |                                                 |                        |                             |                                                                                    |                     |                                       |
| E0       | E029                 | 1.8                      | 1.2           | 3.2 ~ 3.8                                                      | 70 ~ 90<br>or<br>110 ~ 170                      | 1                      | ±15                         | Analogue<br>—                                                                      | 2                   | SEIKO SR726W<br>Ⓜ / Ⓢ SR726W          |
| H0       | H021                 | 4.7                      | 1.5           | Coil A (4002367)<br>1.5 ~ 2.1<br>Coil B (4002366)<br>1.1 ~ 1.7 | 135 ~ 165                                       | 1                      | ±15                         | 10 seconds                                                                         | 2                   | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, ⓔ 389 |
|          | H022A                | 4.7                      | 1.50          | Coil A (4002367)<br>1.5 ~ 2.1<br>Coil B (4002366)<br>1.1 ~ 1.7 | 135 ~ 165                                       | 1                      | ±15                         | Analogue<br>10 seconds                                                             | 2                   |                                       |
| H1       | H127                 | 3.0                      | 2.8           | 1.0 ~ 3.0                                                      | —                                               | 20                     | ±10                         | Digital<br>—                                                                       | 3                   | SEIKO SR936SW<br>Ⓜ / Ⓢ SR936SW, ⓔ 394 |
| H2       | H239                 | 2.0                      | 1.5           | 2.2 ~ 2.6                                                      | 120 ~ 140                                       | 10                     | ±10                         | Analogue<br>—                                                                      | 3                   | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, ⓔ 389 |
|          | H249<br>H259         | 2.0                      | 1.8           | 2.2 ~ 2.7                                                      | 120 ~ 140                                       | 10                     | ±10                         | Analogue<br>—                                                                      | 3                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399   |
| H3       | H357                 | 2.5                      | 1.0           | 3.0 ~ 5.0                                                      | 20 ~ 80                                         | 1                      | ±10                         | Either Analogue<br>or Digital<br>—                                                 | 2                   |                                       |
| H4       | H448<br>H449         | 2.0                      | 1.3           | 3.0 ~ 3.4                                                      | 50 ~ 70                                         | 1                      | ±10                         | Analogue<br>—                                                                      | 3                   |                                       |
|          | H461                 | 2.0                      | 1.4           | 3.0 ~ 3.4                                                      | 50 ~ 70                                         | 1                      | ±15                         | Analogue<br>—                                                                      | 2                   |                                       |
| H5       | H556<br>H557         | 2.0                      | 1.0           | 3.5 ~ 4.5                                                      | 40 ~ 80                                         | 1                      | ±10                         | Analogue<br>10 seconds                                                             | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W          |
|          | H558                 | 2.0                      | 1.0           | 3.5 ~ 4.5                                                      | 40 ~ 80                                         | 1                      | ±10                         | Analogue<br>10 seconds                                                             | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399   |
| H6       | H601                 | 2.0                      | 1.2           | 2.6 ~ 3.2                                                      | 120 ~ 180                                       | 1                      | ±15                         | Analogue<br>—                                                                      | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W          |
| H7       | H711                 | 1.3<br>*                 | 0.70          | —                                                              | —                                               | 1                      | ±15                         | Analogue<br>10 seconds                                                             | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399   |
| H8       | H801                 | 2.1                      | 1.2           | 2.4 ~ 2.8                                                      | 120 ~ 180                                       | 1                      | ±15                         | Analogue<br>—                                                                      | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W          |
|          | H803                 | 1.7                      | 0.7           | 2.4 ~ 2.8                                                      | 120 ~ 180                                       | 1                      | ±15                         | Analogue<br>—                                                                      | 2                   |                                       |
| V0       | V001                 | 2.2                      | 1.6           | 3.2 ~ 3.8                                                      | White or Blue<br>70 ~ 90<br>Red<br>110 ~ 170    | 1                      | ±20                         | Analogue<br>—                                                                      | 2                   | SEIKO SR726W<br>Ⓜ / Ⓢ SR726W          |
|          | V011                 | 2.0                      | 1.2           | 2.6 ~ 3.2                                                      | 120 ~ 180                                       | 1                      | ±20                         | Analogue<br>—                                                                      | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W          |
|          | V031                 | 3.0                      | 2.0           | 3.0 ~ 3.4                                                      | 130 ~ 170                                       | 1                      | ±15                         | Analogue<br>10 seconds                                                             | 2                   | SEIKO SR41W<br>Ⓜ / Ⓢ SR41W, ⓔ 392     |
|          | V041<br>V061<br>V062 | 2.0                      | —             | —                                                              | —                                               | 1                      | ±30                         | Analogue<br>10 seconds                                                             | 2                   | SEIKO SR726W<br>Ⓜ / Ⓢ SR726W          |
|          | V051                 | 2.1                      | 1.2           | 2.4 ~ 2.8                                                      | 120 ~ 180                                       | 1                      | ±20                         | Analogue<br>—                                                                      | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W          |
|          | V071<br>V072         | 2.5                      | 1.1           | 2.0 ~ 2.4                                                      | —                                               | 1                      | ±30                         | 10 seconds                                                                         | 3                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399   |

\* Consumption without panel.

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Duo Display - 2

| Cal. No. |      | Standard value                                      |               |                            |                                                 |                        |                             | Measuring time accuracy for Analogue/Digital watch/Measuring gate by Quartz Tester | Battery life (Year) | Battery No.                           |
|----------|------|-----------------------------------------------------|---------------|----------------------------|-------------------------------------------------|------------------------|-----------------------------|------------------------------------------------------------------------------------|---------------------|---------------------------------------|
|          |      | Current consumption (μA)                            |               | Coil block resistance (kΩ) | Speaker block/ Upconverter coil resistance (kΩ) | Output signal (second) | Time accuracy (sec./ month) |                                                                                    |                     |                                       |
|          |      | Mov't                                               | Circuit block |                            |                                                 |                        |                             |                                                                                    |                     |                                       |
| V0       | V081 | 4.6                                                 | 1.3±0.56      | 1.40 ± 1.2                 | 125 ~ 175                                       | 10                     | ±20                         | Analogue<br>10 seconds                                                             | 2                   | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, ⓔ 389 |
|          | V083 |                                                     |               |                            |                                                 |                        |                             |                                                                                    |                     |                                       |
|          | V084 | 4.6                                                 | —             | —                          | —                                               | 10                     | ±20                         | All segments lit up<br>Analogue<br>10 seconds                                      | 2                   | SEIKO SR1130W<br>Ⓜ / Ⓢ SR1130W, ⓔ 389 |
|          | V085 | 6.0                                                 | —             | —                          | —                                               | 10                     | ±20                         | All segments lit up<br>Analogue<br>10 seconds                                      | 2                   |                                       |
|          | V091 | 5.4                                                 | 1.7           | 2.0 ~ 2.4                  | —                                               | 1                      | ±20                         | 10 seconds                                                                         | 2                   | SEIKO SR1120W<br>Ⓜ SR1120W, ⓔ 391     |
| Y6       | Y651 | 2.5                                                 | 2.0           | 2.2 ~ 2.6                  | 70 ~ 95                                         | 30                     | ±15                         | Digital<br>—                                                                       | 2                   | SEIKO SR41W<br>Ⓜ / Ⓢ SR41W, ⓔ 392     |
|          | Y652 | 2.8                                                 | 1.4           | 2.2 ~ 2.6                  | 130 ~ 150                                       | 1                      | ±15                         | Analogue<br>—                                                                      | 2                   |                                       |
| Y9       | Y911 | (Blank Display)<br>1.3<br>(Digital Display)<br>33.0 | 0.7           | 1.8 ~ 2.2                  | 120 ~ 180                                       | 1                      | ±20                         | 10 seconds                                                                         | 2                   | SEIKO SR927W<br>Ⓜ / Ⓢ SR927W, ⓔ 399   |
|          | Y950 |                                                     |               |                            |                                                 |                        |                             |                                                                                    |                     |                                       |
|          | Y951 |                                                     |               |                            |                                                 |                        |                             |                                                                                    |                     |                                       |
|          | Y960 | 2.3                                                 | 2.1           | 2.3 ~ 2.8                  | 50 ~ 90                                         | 1                      | ±20                         | —                                                                                  | 2                   | SEIKO SR920W<br>Ⓜ / Ⓢ SR920W          |
|          | Y961 |                                                     |               |                            |                                                 |                        |                             |                                                                                    |                     |                                       |

↑  
“—” means:  
Any gate

↑  
(M) : MAXELL  
(S) : SONY  
(E) : EVEREADY

## Calibre to be undertaken by the limited service centers only

| Cal. No. |      | Standard value           |               |                                                |                            | Appropriate display when measuring time accuracy | Battery life (Year) | Battery No.               |
|----------|------|--------------------------|---------------|------------------------------------------------|----------------------------|--------------------------------------------------|---------------------|---------------------------|
|          |      | Current consumption (μA) |               | Speaker block/ Upconverter coil resistance (Ω) | Time accuracy (sec./month) | Measuring gate by Quartz Tester                  |                     |                           |
|          |      | Mov't                    | Circuit block |                                                |                            |                                                  |                     |                           |
| F6       | F623 | 2.0                      | 1.7           | —                                              | ±15                        | Use ultra-sonic microphone.                      | 2                   | SEIKO SR726W<br>Ⓜ/ⓈSR726W |

↑  
(M) : MAXELL  
(S) : SONY

