CASIO

CASIO

It’s Time for Technology

日本未発売モデル含む

Moving Time Forward

It’s Time for Technology

Global Radio-controlled Timekeeping
MULTI BAND 6
Powered by TOUGH SOLAR

The world’s most accurate timepieces, creating new value without stopping.

CASIO’s radio-controlled and solar-powered timekeeping technologies added
unprecedented new value with self-adjusting watches that never stop.
Now this ongoing technological evolution has borne new fruit
with our Multi Band 6 radio-controlled, solar-powered watches.
The combination of Multi Band 6 radio-wave reception technology,
which receives time-calibration signals from six transmission stations worldwide,
with Tough Solar power, which operates various high-load functions with ease,
has set a high new standard for the timepiece industry.

Moving Time Forward

CASIO’s original manufacturing concept

CASIO's innovative LSI technologies add unprecedented new value to the wristwatch

TOUGH SOLAR
SOLAR POWERED

Powered by light for a lifetime of use without changing a battery.

■ No battery change required

Operates with electric power generated from solar energy and stored in a large-capacity rechargeable battery that never requires changing, thus reducing the environmental burden.

■ Charges even under low light conditions

Generates sufficient electric power to keep on charging, even with limited light from cloudy skies or indoor fluorescent lighting.

■ Stable function operation

Generates ample power for smooth operation of various power-hungry functions, including time-calibration signal reception, 5-motor operation, alarms, sensors and backlights.

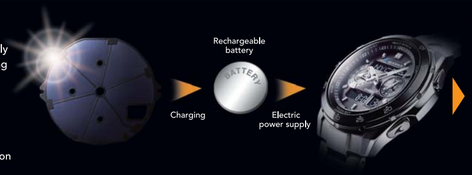
■ Large-capacity rechargeable battery

Continues operating for approximately two years* on a full charge, even in unlighted locations.

*With power saving on. Time differs with the model and usage conditions.

Battery charging and storage mechanism

CASIO's uniquely powerful solar battery charging system converts not only sunlight but even relatively weak light from fluorescent lighting to electric power. The system receives light with an unobtrusive solar panel installed on the watch face and uses it to charge a large-capacity rechargeable battery capable of assuring stable operation of various high-load functions.



Powering high-load functions

- Radio wave reception function
- Auto Hand Home Position Correction
- Time display
- Light sensor
- Alarm, etc.

Basic technologies supporting CASIO's radio-controlled, solar-powered watches

Reduced power-consumption technology
A unique, large-capacity LSI employing a special processing technology with low power consumption has been developed to reduce power consumption throughout. This enables the watch functions, including the time-calibration signal reception and backlight functions, to operate on solar power alone.

Highly sensitive miniature amorphous antenna
The tiny reception antenna is made of an amorphous material that permits stable, high-sensitivity reception. We have optimised its reception characteristics to permit efficient reception of a wider range of frequencies.

WAVE CEPTOR
RADIO CONTROLLED

Receives time-calibration signals and corrects itself automatically.

■ No time setting required

Receives radio waves carrying accurate time data (time-calibration signals) at regular intervals and corrects the time automatically, eliminating the need for manual time setting.

■ Continues to display the time in places time-calibration signals don't reach.

Even when you're out of range of the time-calibration signal transmission stations, the time is displayed as on a conventional quartz watch.

■ Receives time-calibration signals in more countries and regions

Even when you travel from one country or region to another for business or pleasure, your watch receives time-calibration signals for your current location automatically.*

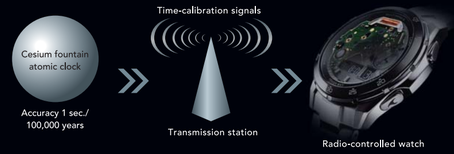
*After you make a simple setting adjustment for the new country or region.

■ Operates safely in hospitals and airplanes

Since the system employs the same type of radio waves as those used constantly for other communications, they have no effect on human health or precision instruments and can be used safely and securely in any environment.

Radio wave reception mechanism

A tiny, highly sensitive built-in antenna receives time-calibration signals generated by a cesium fountain atomic clock with an error rating of just one second per 100,000 years. The watch uses the signals to correct any lag in the time shown on the face, assuring that the displayed time is always accurate.



Miniature reception IC
The miniaturised reception IC is compatible with the multiple pulse widths of the time-calibration signal frequencies. The IC's ability to eliminate all signals other than those of the specified frequencies (noise) has been improved with no impairment of its high-sensitivity receptivity characteristics.

High-density mounting technology
CASIO has applied its proprietary high-density mounting technology to arrange the larger number of electronic parts required for multi-band reception within the limited available space. The parts are positioned according to numerical values worked out by precision calculations to minimise noise emissions.

Global Radio-controlled Timekeeping

Capable of time-calibration signal reception from six transmission stations worldwide

WAVE CEPTOR
RADIO CONTROLLED

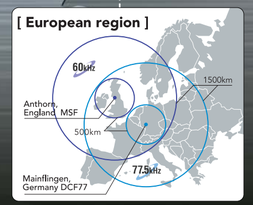
Receives time-calibration
signals and corrects itself automatically.

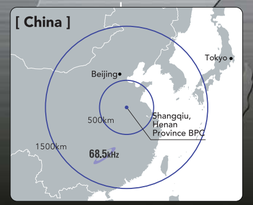
MULTI BAND 6

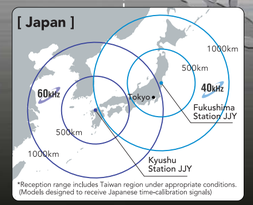
MULTI BAND 6

Compatibility with Chinese radio wave transmissions,
in addition to transmissions in Germany,
the United Kingdom, North America and Japan,
enables automatic* time correction around the world.
This has enhanced the reliability and practicality
of radio control and solar power further - and
added more new value to the wristwatch.

*After you make a simple setting adjustment for the new country or region.





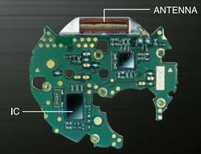


*Reception range includes Taiwan region under appropriate conditions. (Models designed to receive Japanese time-calibration signals)

Advanced technologies behind Multi Band 6

Heterodyne detection IC

CASIO's radio-controlled watches employ a sophisticated heterodyne system for the detection IC. We developed a new detection IC for our Multi Band 6 watches that features an extended tuned circuit setting capable of receiving a wider range of frequencies than our earlier models. This permits time-calibration signal reception from all six of the world's transmission stations, including the most recently constructed station in China.



Every design has meaning.

Tough design

An engineer's brief calling for development of an "unbreakable watch" eventually led to a shock-resistant structure. Everything, from the rugged form that withstands dropping impact from all directions to the styling that eliminates all waste, was developed in pursuit of shock resistance.

Active, stylish design

Compacting and concentrating the shock-resistant structure and water-resistance cultivated with G-SHOCK gave birth to a brand of women's tough watches featuring vibrant designs the wearer can choose to suit the occasion and a wealth of colour variations to reflect her mood or personality.

Design stressing display clarity and expressiveness

A distinctive face design with a dynamic array of measurement functions sets this MULTI-MISSION DRIVE-equipped 3D chronograph apart. Its powerful construction and speed-readiness make it an ideal watch for every man of action.

Elegant sporty design

Exquisitely elegant styling achieved in the pursuit of thinness merges with innovative functional beauty derived from the intelligence of superior technologies. Radio-controlled and solar-powered, this technologically advanced chronograph attains timepiece aesthetics that come as close as possible to perfection.

Highly functional tool design

This utilitarian design stresses superior operability under extreme conditions. Equipped for the performance required of a quality outdoor tool, with such features as a high-visibility LCD and large, easy-to-operate dedicated buttons, it exemplifies the functional beauty of genuine outdoor gear.

Distinctive brands creating new user benefits

G-SHOCK

Absolute Toughness

Baby-G

Tough, Cute, Cool

EDIFICE

Speed and Intelligence

OCEANUS

Elegance and Technology

PRO TREK

Feel the Field

Absolute Toughness

10-year battery life. 10-bar water resistance.
10-meter dropping shock resistance.
These were the three conditions of the " Triple 10 "
development concept that led to G-SHOCK's shock-resistant structure.
The rugged shape and robust style originated with an engineer's
brief calling for an " unbreakable watch. "
Since its birth in 1983, G-SHOCK has continued its unrestrained
evolution while retaining its unique basic structure.
Today, G-SHOCK continues to take up challenges
beyond the limits of time and common sense.

Technology for Toughness

The ultimate shock-resistant structural design

The bezel and case extend outward in every direction,
enclosing the entire watch and preventing
direct shocks to the glass and buttons.
Cushioning material is used to add extra protection for the
crystal oscillator and other key components inside the module.
This technology of toughness has been passed down to
every G-SHOCK for the past quarter century.

Gravity Shock Resistant

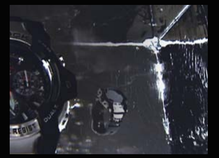
Assuming the various shocks the watch may receive during use, we conduct free-fall drop tests by hand that can be expected to create different conditions each time. This is to confirm that every function continues to operate normally, even after shocks that can't be predicted.

Hammer Shock Resistant

G-SHOCK's renowned shock resistance provides full protection for all its functions, enabling them to continue normal operation even after it's struck with a hammer or some other object.

Electricity Resistant

G-SHOCK's ability to resist electric currents that can interfere with electronic parts' operation permits worry-free wear in environments where static electricity is likely to occur



Low-Temperature Resistant

Since G-SHOCK maintains stable operation of all its various functions at low temperatures well below freezing, users can count on it in severe winter weather or high-mountain environments.

Vibration Resistant

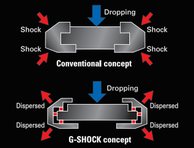
Its stable resistance to high-intensity vibrations suits G-SHOCK to use under such rigorous conditions as high-speed driving on rough road surfaces.

Water Pressure Resistant

We confirm G-SHOCK's water resistance by actually submerging it in water. This test verifies both its water resistance and its resistance to pressure by submitting it to water pressure equivalent to that at a depth of 200 meters.

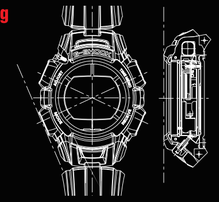
Hollow case construction

The module is arranged as if floating inside the hollow-structured case. Shocks transmitted from outside are dissipated by a configuration that supports the module at just a few points inside the case to minimise the number of contact points. We have also succeeded in adding shock resistance to the module itself through further technological innovations.



All-directional covering

Direct shocks to the buttons and glass surface are prevented by a projecting urethane-resin bezel design. Shock resistance has been ensured by inserting cushioning material between the bezel and case in metal models with lower shock-absorption capabilities.



Protection of important parts with cushioning material

The crystal oscillator and other important parts inside the module are individually protected with cushioning material. This prevents contact failures and improper operation due to distortions that could otherwise occur inside the module if the watch experienced a sudden strong shock.

THE MASTERPIECES

Original Toughness Meets Evolution
For true G-SHOCK enthusiasts, G-SHOCKs that maintain the original look but contain highly evolved technologies inside

GW-5000 A square form inherited from the original tough watch

Smart Design

The ultimate in functional beauty emanating from a shock-resistant structure

■ Ultimate shock-resistant design [GW-5000]

The octagonal design with a perfect golden ratio dating back to 1983 is the ultimate shock-resistant design. Every aspect of this design with all waste trimmed away has been passed down to the GW-5000 from the original G-SHOCK.

■ DLC coating [GW-5000]

The surfaces of the metal parts, such as the case, buttons and buckle, are coated with a hard non-crystalline carbon film composed of carbon and hydrogen for significantly enhanced abrasion resistance.

■ Forged case back

The screw-mounted case back is forged to give it greater strength than conventional press-moulded case backs can attain. The forging process also makes impressive modelling and precision engraving possible.

Intelligent Timing

Successful installation of the latest technologies that no one believed would fit into the shock-resistant square form

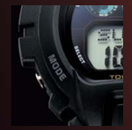
■ Thinning and downsizing technologies [GW-6900]

Reducing the parts clearance inside the module as well as downsizing of the IC and every electronic part enabled us to slim down the case. The shape of the GW-6900 approached the original design more closely as it evolved to incorporate more advanced functions, including Multi Band 6 and Tough Solar.

GW-6900 A round form with G-SHOCK's DNA inside

■ Button guard structure [GW-6900]

A projecting bezel has been adopted to prevent the buttons from coming into contact with flat surfaces in case the watch is dropped. This rugged design also serves as a button guard to prevent direct shocks to the buttons, which are linked directly with the module.



■ Shock-absorbent band design [GW-6900]

A curved shape employed for the base of the band enables the band itself to act as a shock absorber, ensuring that the case back never receives a direct shock.

■ Enhanced LCD visibility [GW-6900]

The LCD segment has been revised without altering the original dial design by enlarging the time display and adopting a full-dot day-of-the-week display for improved visibility. Dual time can also be displayed simultaneously.

■ Front EL button [GW-6900]

The EL backlight control button is positioned up front for easy access.

Non-stop and self-adjusting

TOUGH SOLAR SOLAR POWERED — **Powered by light for a lifetime of use without changing a battery.**

The combination of a solar panel with a large-capacity rechargeable battery enables a variety of energy-hungry functions to operate smoothly.

WAVE CEPTOR RADIO CONTROLLED — **Receives time-calibration signals from six transmission stations* and corrects itself automatically.****

*Germany, the United Kingdom, North America and China and two in Japan.
**After you make a simple setting adjustment for the new country or region.

Functions •Shock-resistant •Radio-controlled (Multi Band 6) •Tough Solar •Full auto EL backlight •World time •1/100-sec. stopwatch •Timer •5 daily alarms •20-bar water resistant

Master of G

Ultimate toughness specifications to handle the roughest use

GW-9010
MUDMAN

GW-9200
RISEMAN

GW-9100
GULFMAN

SHOCK RESIST

Smart Design

Specialised high-performance functions added to the shock-resistant structure

■ Centre shaft design [RISEMAN]

A centre-shaft design reinforcing Riseman's tough gear image positions the pressure sensor and measurement button opposite each other on the right and left sides of the case.

■ ALTI/BARO display [RISEMAN]

This display includes an altitude/atmospheric pressure tendency graph and a pace arrow positioned inside a red circle for enhanced visibility that enables users to check altitude and atmospheric pressure differences at a glance.

■ Rust resistant structure [GULFMAN]

Titanium is employed for every metal part that comes into contact with air, from the screws and case back to the buckle and button shafts, to help Gulfman stand up to heavy use at sea.

■ Mud resistant structure [MUDMAN]

All openings around buttons and band connections where mud and dust could encroach are fully covered with protective urethane resin.

■ Forged titanium back [GULFMAN]

Crease shaping employed on the case back gives the structure high flexural strength (fracture resistance). An engraved mark accents its forge-moulded construction.

■ Case back design enhancing wear comfort [MUDMAN]

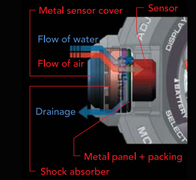
A concavo-convex urethane covering installed on the case back reduces contact with the wrist for added wear comfort.

Intelligent Timing

Advanced functions that respond to various users' practical concerns

■ Twin Sensor [RISEMAN]

Two miniaturised built-in sensors measure atmospheric pressure and temperature.



■ Shock-resistant sensor [RISEMAN]

The GW-9200 has been equipped with pressure and temperature sensors without sacrificing G-SHOCK shock resistance. This is yet another example of G-SHOCK's constantly evolving toughness technology.

•3-layer protective structure guarding the pressure sensor

The pressure sensor, a delicate precision part, is perfectly protected by a 3-layer protective structure. CASIO has succeeded in installing this sensitive pressure sensor while maintaining 20-bar water resistance and shock resistance.

■ Tide graph / Moon data [GULFMAN]

A tide graph monitors the movements of the tides, and a moon data graph displays the age and phases of the moon.

■ Stopwatch with rally mode [MUDMAN]

The 1/100-sec. stopwatch is designed for compatibility with motor rally use.

Non-stop and self-adjusting

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WAVE CEPTOR RADIO CONTROLLED — **Receives time-calibration signals and corrects itself automatically.**

GW-9200/GW-9010
Receives time-calibration signals from six transmission stations worldwide (one each in Germany, the United Kingdom, North America and China and two in Japan).

GW-9100
Receives time-calibration signals from five transmission stations (one each in Germany, the United Kingdom and North America and two in Japan).

Functions <Common features> •Shock-resistant •Tough Solar •Full auto EL backlight •World time •1/100-sec. stopwatch •Timer •20-bar water resistant <RISEMAN> •Radio-controlled (Multi Band 6) •Altimeter/barometer/thermometer •5 daily alarms <GULFMAN> •Rust resistant •Radio-controlled (Multi Band 5) •5 daily alarms <MUDMAN> •Mud resistant •Radio-controlled (Multi Band 6) •5 multi-alarms

GW-2500BD

Gravity Defier

A tough watch that resists
intense gravitational force and vibrations

SHOCK RESIST

Smart Design

A design with an aviation concept
that meets pilots' crucial requirements

High visibility for instantaneous information access

■ Index design

Large Arabic numerals and a luminous index ensure easy readability, enabling pilots to see the 12 and 6 o'clock positions at a glance under any conditions.

■ Mat black face

A mat black finish on the face eliminates reflections as fully as possible in consideration of the vital need for good visibility, even in strong sunshine at high altitudes.

■ High-contrast colouration

White and orange colouring is employed to ensure that the hands, dials and various indications stand out clearly against the black face.

■ High-visibility hand design

Different colours are applied to the hour and minute hands to make the time they indicate clearly readable. Luminous paint is applied for improved night-time visibility.

Outstanding durability and scratch resistance

■ Shock-resistant structure

The shock-resistant structure, available only from G-SHOCK, features ample strength to withstand shocks and extreme variations in gravity inside the cockpit.

■ Two-directional band screws

Strong stainless screws inserted and tightened from both sides join the band and case securely.

■ Large buttons

Oversized, easy-to-operate buttons ensure accurate operation of the stopwatch and mode switching functions.

Intelligent Timing

Equipped with variety of advanced time functions, including
Multi Band 6 radio-controlled timekeeping and solar-powered operation

Accurate time measurement

■ 3-city simultaneous display

Up to three times are simultaneously displayable: home time, world time and dual time.

[Display examples]
- **Centre** [Home time] TYO (Tokyo) 10:08 PM
- **Dial at 3 o'clock** [World time] WLG (Wellington) 01:08 AM
- **Lower LCD** [Dual time] NYC (New York) 08:08 AM

Time difference (UTC coordinated universal time standard) TYO+9.0, WLG+12.0, NYC-5.0

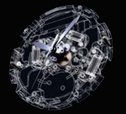
Improved information viewability

■ Dual-window LCD

The city name and a day of the week appear in the upper window and the date and time in the lower window. The numeric second display is enlarged to improve visibility.

■ Hybrid Mount Construction

A combination of lightweight resin and metal that maintains the case's full structural strength was adopted to improve the movement's shock resistance and enable it to withstand the intense gravitational forces and vibrations that may occur in flight.



■ Full auto LED light

A sensor detects the degree of illumination in the surrounding environment and switches the LED light on automatically when the wearer's wrist is tilted up for viewing. The light remains off in well-lit places to prevent wasteful power consumption.

Non-stop and self-adjusting

TOUGH SOLAR SOLAR POWERED

Powered by light for a lifetime of use without changing a battery.

The combination of a solar panel with a large-capacity rechargeable battery enables a variety of energy-hungry functions to operate smoothly.

WAVE CEPTOR RADIO CONTROLLED

Receives time-calibration signals from six transmission stations* and corrects itself automatically.**

*Germany, the United Kingdom, North America and China and two in Japan.
**After you make a simple setting adjustment for the new country or region.

Functions •Shock-resistant •Radio-controlled (Multi Band 6) •Tough Solar •Full auto LED light •World time •1/100-sec. stopwatch •Countdown timer •5 daily alarms •20-bar water resistant

MT-G

MTG-1500

Innovative toughness attained through a fusion of metal and resin

Smart Design

Designs of superior quality merging strength with beauty

■ Tough hybrid structure

The 2-piece shock-dispersing bezel combines forged stainless steel, which easily withstands external shocks, with urethane, which absorbs and reduces shocks, a design that projects an image of enhanced hardness and toughness.

■ Band with urethane band links

Convex urethane band links serve as buffers to cushion the stainless links from direct shocks. The use of lightweight urethane also contributes to greater lightweight wearability.

■ Two-directional band screws

Strong stainless screws inserted and tightened from both sides join the band and case securely. The screw heads are shaved off cleanly.

■ Dual-window LCD

The digital display is split between an upper window showing the city name and day of the week in a dotted font with a lower window showing the date and time.

■ Analogue stopwatch metre

A metre in the 3 o'clock position displays measurements in the stopwatch mode. The hand advances on a 1/20-second basis for the first second after the start of measurement, on a 1-second basis up to the 59th second and on 1-minute basis in and after the 60th second.

■ Detailed parts

Precision is accentuated by the application of etching processing to the forged stainless side buttons and the use of cut-processed case front screws.

■ Hybrid-look buckle

The brand mark with its texture enhanced by etching processing is impressed on the buckle, and a urethane guard is allocated to protect the markings.

Intelligent Timing

Shock-resistant, radio-controlled and solar-powered timepieces featuring tomorrow's technologies

■ Smallest-ever motor unit

We developed the smallest motor unit of all time with high-speed LSI-controlled operation for the motor that drives the small dial. This enabled us to downsize and slim the movement as well as to offer multi-hand operation.

■ Condition indicator hand

A metre in the 9 o'clock position displays the mode, battery level and radio wave reception status.

■ Full auto LED light

A sensor detects the degree of illumination in the surrounding environment and switches the LED light on automatically when the wearer's wrist is tilted up for viewing. The light remains off in well-lit places to prevent wasteful power consumption.

TOUGH MVT. TOUGH MOVEMENT Thin analogue movement that further improves the reliability of radio-controlled timekeeping

Non-stop and self-adjusting

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■ Hybrid Mount Construction

Careful calculation of the materials used and strength of each part led to a layout that enhances shock resistance further.

■ Auto Hand Home Position Correction

This function detects the positions of the hands at the 55th minute of each hour and adjusts them to the precisely correct position if it discovers any discrepancy.

Functions •Shock-resistant •Radio-controlled (Multi Band 6) •Tough Solar •Full auto LED light •World time •1/100-sec. stopwatch •Timer •5 daily alarms •20-bar water resistant

MR-G

MRG-8100G

—Special Basel Wold Model—

G-SHOCK flagship model

SHOCK RESIST

Smart Design

High-spec tough design reflecting Japanese aesthetics

■ Special Basel model

A samurai warrior theme is adopted for this special Basel model to recall the world-class techniques of Japan's master craftsmen, which have followed a unique evolution in the simultaneous pursuit of function and form. The samurai theme is reflected in the use of body amour, helmet and sword motifs. A worldwide limited edition serial number from 1 to 100 is engraved on the case back.

■ Masterful crafting

The bezel, case, case back and protectors on both sides are composed of separate parts. Expertly conducted polish finishing bestows rich texturing on each of these parts, which have been complexly modelled by forged and cut processing. Slotted screws are used to tighten down the bezel, providing evidence of this special model's hand-crafted construction.

■ Exquisitely expressive face design

The 3D time indications feature a Neo-bright luminous coating applied to the metal parts with ground-line processing for night-time visibility. The application of pink-gold accent colouring adds further to the luxuriant appearance. And the crystal is constructed of sapphire glass with a non-reflective coating for both enhanced visibility and superior abrasion resistance.

■ Sapphire glass

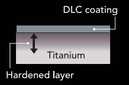
Sapphire glass with superior abrasion resistance is employed for the crystal.

■ 18-carat gold ring

World time city codes engraved on the 18-carat solid gold ring produce a splendid effect reminiscent of elaborate armour decorations.

■ Double hardening treatment

Deep hardening treatment and DCL treatment are both applied to the titanium material used for key parts, dramatically enhancing their hardness and abrasion resistance. The finishing reflects painstaking attention to detail, as seen in the division of the side surfaces between DLC treatment and pink gold IP processing.



Deep hardening treatment

This treatment hardens the titanium material itself by heating it with a combined oxygen-nitrogen gas. The resulting hardness is four to five times that of pure titanium.

DLC (diamond-like carbon) treatment

This treatment employs an amorphous carbon film consisting of carbon and hydrogen that provides superior abrasion resistance and boasts an HV (Vickers hardness) second only to diamonds.

Attention to detail appropriate to the top-of-the-line model

Bezel with sculptured lettering

Shock-resistant side protector

H-piece band for superior wearability

Tight-locking buckle

Functions •Shock-resistant •Radio-controlled (Multi Band 6) •Tough Solar •World time •1/20-sec. stopwatch •Timer •Daily alarm •20-bar water resistant

Intelligent Timing

Advanced technologies supporting the G-SHOCK flagship model

■ Gold-plated circuit supporter

A unique shock-resistant 5-motor module was developed specially for this model. The application of gold coating to the circuit supporter (circuit board retainer plate) reduces the electric resistance values, ensuring a more stable power source supply and more reliable operation of such key components as the LSI and reception IC.

■ Low power-consuming LSI with large-capacity memory

A newly developed high-performance LSI controls all five 5 motors as well as time-calibration signal reception from six transmission stations and Auto Hand Position Correction. It performs high-speed processing despite the hefty volume of software required and achieves the energy conservation needed to assure stable operation with solar power.

TOUGH MVT. TOUGH MOVEMENT

Thin analogue movement that further improves the reliability of radio-controlled timekeeping

Non-stop and self-adjusting

TOUGH SOLAR SOLAR POWERED

Powered by light for a lifetime of use without changing a battery.

The combination of a solar panel with a large-capacity rechargeable battery enables a variety of energy-hungry functions to operate smoothly.

WAVE CEPTOR RADIO CONTROLLED

Receives time-calibration signals from six transmission stations* and corrects itself automatically.**

*Germany, the United Kingdom, North America and China and two in Japan.
**After you make a simple setting adjustment for the new country or region.

■ Hybrid Mount Construction

Careful calculation of the materials used and strength of each part led to a layout that enhances shock resistance further.

■ Auto Hand Home Position Correction

This function detects the positions of the hands at the 55th minute of each hour and adjusts them to the precisely correct position if it discovers any discrepancy.

Functions <Common features> •Shock-resistant •1/100-sec. stopwatch •Timer •20-bar water resistant <GLX-5500/5600> •Auto EL backlight •Tide Graph •Moon Data <DW-5600/6900> •EL backlight •Multi-alarms

Baby-G

Tough, Cute, Cool

Designs and colours attuned to today's fashions
accentuate a shock-resistant and
water-resistant structure built for active use.
The line-up includes models equipped with radio-controlled
timing to ensure precision time display and
Tough Solar to convert light into ample operating power.
Sometimes cool, sometimes casual…
Distinctive watches for every woman
who expresses herself with style.

BGD-1100

Wide-band bangle design to suit your fashion

Shock resistant

10-bar water resistant

Simple straight-line design

- The bangle design integrates an edgy metal bezel with a wide band.

- The straight-line metal bezel successfully combines a shock-resistant structure with urbane styling.

Practical functions for international travel

- 10-bar water resistance provides protection virtually anywhere — in the kitchen or in the rain, beside the pool or at a marine resort.
- Functions that add convenience to daily life include UTC and world time, which displays the time in 48 cities worldwide.

Non-stop and self-adjusting

TOUGH SOLAR SOLAR POWERED

Powered by light for a lifetime of use without changing a battery.

The combination of a solar panel with a large-capacity rechargeable battery enables a variety of energy-hungry functions to operate smoothly.

WAVE CEPTOR RADIO CONTROLLED MULTI BAND 6

Receives time-calibration signals from six transmission stations* and corrects itself automatically.**

*Germany, the United Kingdom, North America and China and two in Japan.
**After you make a simple setting adjustment for the new country or region.

Functions •Shock-resistant •Radio-controlled (Multi Band 6) •Tough Solar •EL backlight •UTC (coordinated universal time) •World time •1/100-sec. stopwatch •Timer •5 daily alarms •10-bar water resistant

BGD-102/BGD-103

A simple, round case that adds colour to your wrist like a bracelet

Shock resistant

10-bar water resistant

Round form resplendent with colourful, glittering fun

- Charming colours with a cute appeal are created with a shiny resin material. The wide variety of available colours lets you choose your watch to match your attire.

- Glittering ornaments laid out around the circumference of the dial adds sparkle to the face design like shimmering jewels.
- The adorable plastic-jewellery appearance is highlighted by the addition of a wide band perfectly suited to the round form.

- The LCD is equipped with a motion graphic that moves when you tilt your wrist. Designed with a spirit of fun, the current time display gives you a choice of display styles.
- The case is slimmed down to approximately 11mm thick despite its tough, versatile shock-resistant structure.
- 10-bar water resistance suits your watch to use in all sorts of circumstances, from home or town to swimming pools or seaside resorts.

Equipped with practical functions that add convenience and pleasure to life

- Functions that come in handy for international travel and daily life include dual time, a full auto calendar and EL backlight.

Functions <Common features> •Shock-resistant •Dual time •1/100-sec. stopwatch •Timer •Daily alarm •Active display •10-bar water resistant <BGD-102> •EL backlight <BGD-103> •LED light

BG-3000/BG-3001

20-bar water resistant model employing a cool & colourful skeleton material

Shock resistant

20-bar water resistant

Skeleton design and a sporty, marine look

- Designed to marine tastes, with the use of skeleton material and a dial shaped like a dolphin's tail.
- The bezel & protector design features a ship's helm motif. The colour of the metal bezel ring is the same as the case.
- A protector shaped like the crown of a finger ring protects the bezel. Cut surface reflections colour your wrist when you wear your watch.
- The band with its playful spirit and sporty look is formed by pieces like a metal band constructed of resin material.
- Wear it while snorkelling as well as in the shower or pool. Its 20-bar water resistance complements the most active life style.
- The slim case measuring only about 12.9mm thick is the thinnest of all the Baby-G models with 20-bar water resistance.

During daily life or trips abroad, its high specifications expand your horizons and opportunities

- Functions such as 30-city world time and a full auto calendar are convenient for international travel and a wide range of daily activities.

Functions <Common features> •Shock-resistant •1/100-sec. stopwatch •Timer •Countdown timer •5 daily alarms •World time •20-bar water resistant <BG-3000> •EL backlight <BG-3001> •LED light

BGA-100/BGA-101

Exceptional watches with a heart motif that bring colour to life

Shock resistant

10-bar water resistant

Cute designs that tickle a girl's fashion fancy

- Multi-faceted cutting gives the metal bezel a gem-like glow. The exquisite design quality has the appeal of fine jewellery.

- A multi-coloured calligraphic typeface gives the index distinctive appeal. Colourful and rhythmical graphics provide a cute setting for the dial.

- A glittering metallic heart resembling a pendant resembling a pendant top adds allure to the LCD window. The heart adds sparkle to the face and enhances its jewellery-like appearance.

A fusion of functionality and visibility

- The heart graphic display lights up every 2 seconds. The illumination reveals a playful Baby-G spirit only a digital watch can express.

- 10-bar water resistance provides protection virtually anywhere — in the rain, beside the pool or at a marine resort.
- Functions that add convenience to daily life include world time, which displays the time in 27 cities worldwide and which also come in handy when travelling internationally, and full auto calendar.

Functions <Common features> •Shock-resistant •LED light •Timer •5 daily alarms •World time •10-bar water resistant <BGA-100> •1-sec. stopwatch <BGA-101> •1/100-sec. stopwatch

Tough elegance, for the women who's always herself

Shock resistant

10-bar water resistant

G-ms

Baby-G

MSG-1500

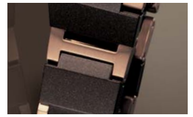
A sharply defined form integrating strength with action

■ Edgy, octagonal full-metal case
The studs on the sides of the case also serve a protective function, shielding the buttons from shocks.

■ Six screws arranged along the outer circumference of the bezel and C-shaped metal lines accenting the face reinforce the image of elegance in action.

■ The band design with each part cut out is a perfect match for the clean-cut case. The muted reflection of light by the evolutionarily advanced composite band exudes the finest quality.

■ The brown-and-gold colour combination evokes an image of personal strength and maturity.



Loaded with functions for the active woman

■ 10-bar water resistance provides protection in virtually any resort or sports venue, adding further support for your active lifestyle.

Non-stop and self-adjusting

TOUGH SOLAR SOLAR POWERED — **Powered by light for a lifetime of use without changing a battery.**

WAVE CEPTOR RADIO CONTROLLED — **Receives time-calibration signals and corrects itself automatically.**

Functions •Shock-resistant •Tough Solar •10-bar water resistant
•Radio-controlled (Fukushima and Kyushu transmission stations)

G-ms

Baby-G

EDIFICE

Speed and Intelligence

An edging line communicating a sense of speed.
A metal body with a proud, cool texture.
And an exquisite face design with excellent visibility.
This bold form even determines the style of those who wear it.

This is EDIFICE, a watch for intelligent people who find value in every second.

EDIFICE
wave ceptor

EQW-M1000

3D chronograph with
Multi Band 6 global radio-controlled timekeeping

Intelligent Timing

Multi-function chronograph with Multi Band 6 radio-controlled timekeeping and Tough Solar power

3D Chronograph

Innovative, eye-catching 3D mechanics with a dual-layer face and disk hand

Layered dial

Advanced radio-wave reception and solar-power drive technologies successfully installed, despite the complex face structure

Functions •Radio-controlled (Multi Band 6) •Tough Solar •World time •1/20-sec. stopwatch •Countdown timer •Daily alarm •10-bar water resistant

MULTI-MISSION DRIVE

Five motors mounted in the module control each hand independently. This advanced technology gave birth to the multifunction chronograph.

■ World time
Displays your home time in the time display mode, and allows easy checking of the time in 29 cities worldwide with UTC compensation.

■ Daily alarm
Equipped with an alarm that sounds at the time you set.

■ 1/20-second stopwatch
Both hands of the 1/20-second split-function analogue stopwatch can be reset instantaneously.

■ Countdown timer
The handy 24-hour countdown timer metre starts countdowns in the counter-clockwise direction.

■ Full auto-calendar

Non-stop and self-adjusting

TOUGH SOLAR SOLAR POWERED
Powered by light for a lifetime of use without changing a battery.
The combination of a solar panel with a large-capacity rechargeable battery enables a variety of energy-hungry functions to operate smoothly.

WAVE CEPTOR RADIO CONTROLLED MULTI-BAND 6
Receives time-calibration signals from six transmission stations* and corrects itself automatically.**
*Germany, the United Kingdom, North America and China and two in Japan.
**After you make a simple setting adjustment for the new country or region.

EDIFICE
wave ceptor

EQW-M1000

Smart Design

High-performance chronograph with motor sport-inspired mechanical styling

3D face design comprising a pair of layered dial plates

A dual-layered face comprising upper and lower dial plates provides unprecedented functionality and visual appeal. The mechanical 3D structure with a disk hand at 9 o'clock and an asymmetrical hand at 6 o'clock gives the face a dynamic, active character.

■ Disk hand with dynamic movement

A small aluminium disk-shaped hand mounted in the 9 o'clock position employs dynamic movement to display the day of the week, mode and 1/20-second stopwatch indications. Any inertia that might influence the hand's movement is suppressed by the use of precision weight and shape calculations in the design stage to ensure rotation accuracy.

■ Asymmetric hand (24-hour metre)

A dial at 6 o'clock emerges from the lower layer of the display. Its asymmetrical hand displays a.m. and p.m. alternately.

■ World time for 29 cities worldwide

The switching mode enables you to display home time and local time in rotation. Full display of most available city names on the outer edge of the dial also makes it easy to check the time in any of 29 cities around the world.

■ High-visibility face

Special light-accumulation processing is employed to improve the visibility of the round indices at 2, 4, 8 and 10 o'clock.

Robust case design with attention to operating part functionality

■ Start/Stop button

An oversized stopwatch control button ensures easily understandable, reliable operation.

■ Button guards

Button guards in the 3 o'clock and 9 o'clock positions prevent unintentional operation or malfunction if the watch is dropped.

■ Tachymeter bezel

A slit around the side surface enhances the sharp styling of the bezel with a tachymeter inscribed on top and adds further to the watch's 3D appearance.

■ Case lugs

The upper surface of the case lugs employs a heavy-duty circular conical form. Precision-shaped screws embellish the side surface, underscoring the strength of the sturdy body.

EF-535SP

Double disk-equipped chronograph

Smart Design

Sporty design intimating speed and functionality

Face design

■ Carbon fibre dial

Use of a carbon fibre material frequently used in racing vehicles gives the dial a high-end, sporty appeal. Tastefully laid out metal parts add to the pronounced mechanical appearance of the face.

■ Disk hands

Disk hands in the 9 and 3 o'clock positions carry the automobile metre motif further.
The designers employed precision calculations of the hands' weights and shapes to offset their added inertia and ensure accurate rotation.

Case design

■ Start/Stop/Reset button

An oversized stopwatch control button ensures easily understandable, reliable operation.

■ Crown

A 3-dimensional crown guard protects the large screw-lock crown in the 3 o'clock position. The elegant EDIFICE logo is inscribed prominently on the top of the crown. Precision knurling finishing of the crown in the 8 o'clock position enhances both its operability and quality look.

■ Case lugs

Mirror finishing and sharp-lined styling of the case lugs produce a functional appearance only metal construction can achieve.

■ Band design

Two mirror lines accent the band links, underscoring their construction from pure, top-quality materials. A one-push buckle with a safety lock closes the band securely.

Intelligent Timing

Dynamic disk drive styling

Double disk-equipped chronograph

This chronograph model features a dynamically active movement with disk hands located in the 3 and 9 o'clock positions.

■ Rotatable inner ring

Elapsed time is checked by rotating the inner ring with the crown located in the 8 o'clock position.

Functions •1-sec. stopwatch •10-bar water resistant

EDIFICE
GOLD LABEL

EFX-510BK

Aristocratic EDIFICE

An eye-catching chronograph with a bold,
"hard-edged" design concept

Smart Design

Top-quality styling and a powerful presence

Face design

■ Gold emblem

A 3D gold brand logo signifying EDIFICE's aristocratic pedigree embellishes the face.

■ Hand styling

The elegant EDIFICE logo is incorporated into the base of the chronograph hand.

Case design

■ Sapphire glass

Sapphire glass with superior abrasion resistance is employed for the crystal.

■ Large-format body

Integrating high-precision parts into the sharp-cut, large-format body with its cut-moulding look contributes to a design that balances elaborate beauty with powerful impact.

■ 3-piece band structure

The band is constructed of H-shaped band pieces with high wearability. Precision finishing is achieved by bevelling the individual band pieces to give them a 3D appearance and subdividing the parts. The pieces are distinguished by colour through the application of IP processing, giving the band design an exquisite finish.

Functions •1-sec. stopwatch •10-bar water resistant

■ Crown/Buttons

The prominent crown and side buttons are products of advanced 3D modelling.

■ Original screws

Specially formed screws add exquisite appeal and a hard-edged appearance.

■ Full IP processing

Ion-plate processing protects the case and band surfaces from abrasions.

Intelligent Timing

Multi-hand chronograph combining functionality with beauty

■ Retrograde calendar

The calendar display features retrograde hand movement.

OCEANUS

Elegance and Technology

OCEANUS, an advanced-technology watch named for the ancient god of the sea.
With unrivalled performance achieved through innovative technologies.
Beautiful modeling of details elaborated in pursuit of higher quality.
And an insistence on quality appropriate to people like you who know where value lies.

OCEANUS

OCW-S1250TC

Functional beauty residing in
a sophisticated slim design

Smart Design

Sporty elegance with high quality shining through
Refined, slim-lined styling imbued with intelligence

Case design

■ Slim lines

A slim case measuring just 10.5mm in thickness encloses a robust 5-motor movement and other multifunctional technologies.

■ Ceramic bezel ring

The sleek combination of a polygonal bezel with a grey IP (ion-plating) finish and a brilliant black mirror-finished ceramic ring imparts a strong presence that speaks of superlative high quality.

■ Dual-curved sapphire glass

A non-reflective coating applied inside the sapphire glass enhances visibility by reducing light reflections.

■ Sallaz polishing

Sallaz polishing, a fine polishing technique employed in traditional Japanese crafts, is applied to the areas between the button guards on the side of the case and the side surface of the band. Performed by skilled artisans, the polishing produces a lovely, undistorted transparent glow.

■ Independent band piece construction

Band construction with H-shaped band pieces offers exceptional wearability. Precise finishing is enabled by minimising the separations between parts and bevelling the individual band pieces to give them a 3D appearance. The side surfaces of the band and connecting pins are polished together, moreover, to assure a beautiful finish.

■ Shortened buckle

The solid metal construction of the shortened 3-fold buckle with its two-sided push clasp provides further evidence of a commitment to high quality. This elegant watch reveals its aristocratic heritage through attention to such details as the arrangement of the brand logo, produced as a separate piece, in the centre of the buckle.

■ Forged case back

A forged 3D emblem embellishes the centre of the case back. High-precision knurling applied around the emblem adds to its dignified impression.

■ Titanium-carbide treatment

Titanium-carbide treatment employed to harden such parts as the surface and back of the case draws out the lustrous colouring of the metal while protecting the surfaces from dents and scratches with its excellent abrasion-resistance qualities.

Face design

■ 3D time indications

The 3D time indications are raised higher than conventional time indications above the dial surface. Black coating provides a balance between their bold appearance and high visibility. The brand mark is also presented in 3D, conveying a further enhanced high-quality look.

■ Day-of-week display

A day-of-week display is laid out on metal parts with ground line processing. The black coating reinforces the contrast with the lettering.

■ Long-life light accumulation

Special long-life light-accumulation processing produces a bright luminescence in blue, the brand colour, offering both higher visibility and an extended luminescent life.

■ Hand styling

A phosphorescent coating is applied liberally to the hour and minute hands, and visibility is enhanced further by its contrast with the black hand colouring.

■ Dial finish

A precise pattern is inscribed with transparent glossy ink on the black dial. An elegant glow emanates from the intrepid black face.

Functions •Radio-controlled (Multi Band 6) •World time •Tough Solar •1/20-sec. stopwatch •5-bar water resistant •Titanium case and band

OCEANUS

OCW-T600

Noble refinement sharpened simply

TOUGH MVT.
TOUGH MOVEMENT

Smart Design

Slim & sharp, elegant sporty design with beauty reflecting the pursuit of quality and functionality

Case design

■ Tachymeter bezel

Scratch-resistant black IP processing protects the tachymeter-equipped bezel.

■ Button with engraved brand logo

The OCEANUS mark of quality is engraved on the operation button in the 4 o'clock position. IP processing applied specially to this button differentiates it further from the others and underscores its expression of brand identity.

■ Forged case back

The forged case back assures air-tight, 10-bar water resistance and impressive modelling characteristics.

■ Titanium-carbide treatment

Titanium-carbide treatment employed to harden such parts as the surface and back of the case draws out the lustrous colouring of the metal while protecting the surfaces from dents and scratches with its excellent abrasion resistance qualities.

Face design

■ 3D time indications

The 3D time indications are cut sharply on five sides and mirror-finished to present a simple but brilliant lustre, enhancing both their visibility and high-quality look.

■ Hand modelling

The reverse-tapered, sword-shaped hands employ stripe printing and light-accumulation processing for enhanced visibility.

■ Centred second hand

The innovative second display employs a centred second hand rather than positioning a small hand at 6 o'clock as usual. This change responds to the need for good second hand visibility in daily use.

■ Sapphire glass with non-reflective coating

Sapphire glass with a non-reflective coating is employed for the crystal, enhancing visibility by reducing light reflections.

Functions •Radio-controlled (Multi Band 6) •Tough Solar •World time •1/20-sec. stopwatch •Timer •Daily alarm •10-bar water resistant •Titanium case and band

OCEANUS

OCW-T400

Analogue/digital combo offering the optimal fusion of functionality and operability

TOUGH MVT. TOUGH MOVEMENT

Smart Design

Clear visibility only analogue can offer fused with functionality unique to digital

Case design

■ 2-piece bezel structure

The bezel employs 2-piece construction comprising an upper bezel with exquisitely etched minute indications and a lower bezel with engraved knurling treatment.

■ Mirror line

Mirror finishing is applied to the uniformly angled surface between the button guard on the side and the base of the case, creating a sharp line such as a sharp-edged tool might make.

■ Band design

H-shaped band piece construction places the primary emphasis on the fit. 3D modelling of each band piece conveys a hard impression and brings out the metal's intrinsic lustre.

■ Forged case back

The brand logo is engraved on the sturdy case back, another detail contributing to a powerful presence.

■ Buckle

The 3-fold buckle features a two-sided push clasp and locking cover.

■ Titanium-carbide treatment

Titanium-carbide treatment employed to harden such parts as the surface and back of the case draws out the lustrous colouring of the metal while protecting the surfaces from dents and scratches with its excellent abrasion-resistance qualities.

Face design

■ Dual window LCD

Information such as the city name and day of the week are displayed on an upper LCD and today's date and time on a lower LCD. The clear, clean display layouts assure quick data access.

■ Dial design

The index design achieves a balance between clear visibility and impactful high-quality. A precision grid pattern accents the dial's instrument panel look.

■ Condition indicator hand

A versatile hand with a rudder configuration mounted at the 9 o'clock position on the dial indicates the current mode, battery level and radio-wave reception status.

■ 3-city simultaneous display

Up to three times are simultaneously displayable: home time, world time and dual time.

[Upper LCD]
•Dual time city code •World time PM display •Day of week

TIME 01 [Centre] •Home time hour and minute hands

TIME 02 [Dial at 3 o'clock] •World time 12-hour metre

TIME 03 [Lower LCD] •Dual time hour and minute •Home time hour and minute •Date •Second

[Display examples]
- **TIME 01** [Home time] TYO (Tokyo) 10:08 PM
- **TIME 02** [World time] WLG (Wellington) 01:08 AM
- **TIME 03** [Dual time] NYC (New York) 08:08 AM

Time difference (UTC coordinated universal time standard)
TYO+9.0, WLG+12.0, NYC-5.0

Functions •Radio-controlled (Multi Band 6) •Tough Solar •Full auto LED light •World time •1/100-sec. stopwatch •Timer •5 daily alarms •10-bar water resistant •Titanium case and band

Intelligent Timing

CASIO's advanced "Tough Movement"

New thin radio-controlled and solar-powered movement

TOUGH MVT.
TOUGH MOVEMENT

Four advanced functions created by applying CASIO's unique development concepts are concentrated in a surprisingly slim movement. Tough Movement represents yet another advance in the reliability of radio-controlled, solar-powered timepiece construction.

WAVE CEPTOR
RADIO CONTROLLED

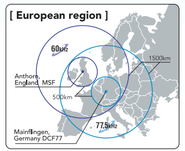
Receives time-calibration signals and corrects itself automatically.

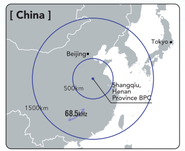
Multi Band 6

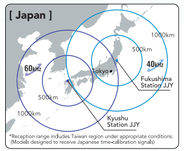
Receives time-calibration signals from six transmission stations* and corrects itself automatically.**

MULTIBAND 6

*Germany, the United Kingdom, North America and China and two in Japan.
**After you make a simple setting adjustment for the new country or region.







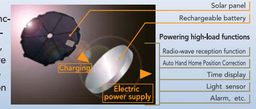
TOUGH SOLAR
SOLAR POWERED

Powered by light for a lifetime of use without changing a battery.

Tough Solar

Converts light into ample electric power to assure stable operation of various functions

CASIO's unique large-capacity solar-charging system converts even weak illumination from fluorescent lighting into electric power. It supports stable operation of a variety of advanced functions with high electricity consumption, including radio-wave reception and Auto Hand Home Position Correction.



Hybrid Mount Construction

Reinforces the movement's shock resistance characteristics

A combination of lightweight resin parts and high-strength metal parts has raised the movement's shock resistance to an even higher level. This construction upgrades resistance to deflection and side shifting of the movement if the watch is dropped, preventing damage to essential parts.

Auto Hand Home Position Correction

Makes corrections automatically if a hand slips out of position rections autom

Detects the positions of the hour, minute and second hands every hour at the 55th minute and makes corrections automatically if the positions have slipped with respect to the IC timekeeping data due to magnetism or shocks.

OCW-S1200

MULTI-MISSION DRIVE

OCW-S1250 / T600

Operates five motors independently and realizes chronograph multi-functionality.

Motor 1	●Second hand ●World time city indicator ●Stopwatch second hand
Motor 2	●Hour/minute hand, 24-hour hand
Motor 3	●1/20-second stopwatch hand ●Day-of-the-week indicator ●Summer time status indicator ●Mode indicator
Motor 4	●24-hour stopwatch metre ●Home time hour/minute
Motor 5	●Date display

PRO TREK

Feel the Field

Advanced measurement functions making full use of miniaturised sensor
technologies monitor the changes in natural phenomena
from moment to moment with reliable accuracy.
Combining the operability required of an outdoor tool with
the accuracy of a fine quality timepiece, PRO TREK is constantly
exploring new fields in its pursuit of evolution without end.

PRX-2000T Slim Triple Sensor Prestige Line

PRW-2000

Smart Design

Multi Band 6-equipped Triple Sensor with duplex LCD for superior viewabilty

Slim design achieving both multi-functionality and downsizing [PRX-2000T, PRW-2000]

■ Duplex LCD thin design

The bezel's 2-piece construction was adopted to allow further thinning and to serve as a protective covering for the instruments inside. Gracefully accommodating a duplex LCD, the case is slimmer than ever, thanks to our high-density mounting and parts downsizing technologie.

■ High-density mounting technology

We minimised the gaps between the duplex LCDs and between the LCDs and solar panel and deployed our unique high-density mounting technology to slim the body and add functionality simultaneously by mounting the antenna inside the case, repositioning the temperature sensor and optimising the parts layout on the circuit board.

High-quality metal design enhancing texture and functionality [PRX-2000T]

■ Titanium-carbide treatment

Titanium-carbide treatment with outstanding abrasion resistance is employed for the titanium bezel, band and case back, simultaneously meeting the dual objectives of weight reduction and enhanced texturing.

■ Reinforced band connection

The titanium case back is extended vertically, and extra-strength screws are inserted and tightened from both sides to connect the band securely to the case. This structure has enhanced both the surface texturing and the watch's ability to stand up to the hardest outdoor use.

■ Sallaz polishing

Although genuine gear for outdoor use, this model meets the highest standards for quality workmanship, as evidenced by the brilliant mirror finishing achieved through Sallaz polishing by highly skilled craftsmen on the upper surface of the bezel.

■ Sapphire glass

Sapphire glass with superior abrasion resistance is employed for the crystal.

Functions •Radio-controlled (Multi Band 6) •Tough Solar •Full auto EL backlight •Digital compass •Barometer/Thermometer •Altimeter •1/100-sec. stopwatch •Timer •5 daily alarms •World time •10-bar water resistant •Low-temperature resistance (-10°C) •Titanium case and band

■ Simple form with superior practicality

A sharp, clean-lined design was realized by installing the antenna inside the case. This advance also increases practicality by reducing the possibility of the watch catching on the cuff of your sleeve while on your wrist.

■ Direct buttons for easy operation

The large measurement buttons offer exceptional operability and provide direct control of all the various measurement functions. Toughness is enhanced by the metal button construction, and a button guard is added to prevent unintentional operation.

*Photo shows PRX-2000T

Genuine outdoor gear styling attuned to the spirit of adventure [PRW-2000]

■ Case design

The case design combines a metal bezel and resin case in a beautifully integrated balance. Design features added to accentuate its outdoor gear look and thin contours include a mesh pattern engraved on the bezel and uneven texturing applied to the side piece.

■ Side design

The sensor cover and side piece are integrated and treated with special graining processing to underscore the outdoor styling.

■ Two-directional band screws

Strong screws inserted and tightened from both sides join the band and "four-legged" case securely.

■ Band structure stressing comfortable wearability

Separate-piece construction of the inner surface of the band provides a more comfortable fit.

Functions •Radio-controlled (Multi Band 6) •Tough Solar •Full auto EL backlight •Digital compass •Barometer/Thermometer •Altimeter •1/100-sec. stopwatch •Timer •5 daily alarms •World time •10-bar water resistant •Low-temperature resistance (-10°C)

Intelligent Timing

Deploying advanced technologies to achieve downsizing, thinning and greater multi-functionality

Proprietary CASIO technologies contributing to a slim-lined design

■ Enhanced pressure sensor accuracy

A thermistor mounted on the back of the pressure sensor measures the temperature accurately, enabling pressure measurement correction at more accurate temperatures and contributing to dramatically improved pressure measurement precision.

Temperature sensor

■ Pressure sensor downsizing

The new pressure sensor was downsized from ø5.8mm to ø4.0mm, a change representing a reduction to approximately 60% in volume. The new sensor also offers dramatically improved pressure measurement accuracy, reducing the margin of error for altitude and atmospheric pressure measurements as a result.

TRIPLE SENSOR

3 Digital Compass Barometer / Thermometer Altimeter

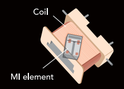
Three tiny sensors measure changes in natural phenomena.

Triple Sensor evolution, advancing without end

PRO TREK continues its pursuit of higher performance as genuine outdoor gear through the application of CASIO's unique, leading-edge technologies, including miniature sensor technologies, downsizing and thinning technologies and high-density mounting technology. In 2009, PRO TREK has continued this tradition by achieving further thinning and higher accuracy while equipped with both Multi Band 6 radio-controlled timekeeping and Tough Solar operation. A new evolutionarily advanced, easier to wear and use PRO TREK with even greater multi-functionality has emerged.

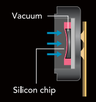
Sensor 1
[Direction sensor]

Measures directions by sensing Earth's magnetism. This sensor employing an MI element achieves dramatically reduced power consumption and solar operation.



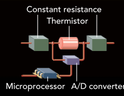
Sensor 2
[Pressure sensor]

Measures atmospheric pressure by calculating the piezoresistive effect-a change in electrical resistance values occurring due to changes in mechanical stress on a silicon chip.



Sensor 3
[Temperature sensor]

Measures temperatures with a temperature-sensitive fine ceramic semiconductor called a "thermistor".



[Tilt switch]

Inclining the watch by about 40° toward the face brings a conductive bulb into contact with an electrode, illuminating the backlight. The tilt switch is the key to the Auto Light function.

ATC-1100
Combined three sensors to measure pressure, magnetism and temperature for the first time in an instrument as small as a watch.

PRG-40
Featured the first direct buttons exclusively for measurement purposes and a large duplex LCD for superior visibility.

PRG-50
Achieved solar-powered Triple Sensor operation with the installation of Tough Solar.

PRW-1000
Combined radio-controlled timekeeping and solar-powered operation with the development of a miniature antenna.

PRX-2000T
Introduced a new downsized, higher-precision pressure sensor and combined Multi Band 6 with Tough Solar for the first time in a PROTREK.

History of PRO TREK Triple Sensor

An overview of PRO TREK Triple Sensor's ongoing evolution with the addition of new functionality

1994

ATC-1100
First Triple Sensor outdoor adventure watch

1995

DPX-500
First model marketed under the PRO TREK brand

1996

PRT-40
First model equipped with an auto EL backlight for clear visibility in the dark

1998

PRT-4000
First model to feature a full-metal case

1999

PRT-1400
First model capable of altitude measurement up to 6,000 meters

2000

PRG-40
First model capable of altitude measurement up to 10,000 meters

2002

PRG-50
First model equipped with Tough Solar operation

2003

PRG-60
First model to feature an analogue movement

2005

PRW-1000
First model equipped with both radio-controlled timekeeping and Tough Solar operation

2007

PRW-1300
First slim-lined model achieved with high-density mounting technology

2008

PRW-1500
First 20-bar water-resistant model

2009

PRX-2000T
First model offering both Multi Band 6 radio-controlled timekeeping and Tough Solar operation

Intelligent Timing

Ongoing evolution of sensor technologies and functionality

3 Digital Compass / Barometer / Thermometer / Altimeter

Three tiny sensors measure changes in natural phenomena.

Digital Compass

Employs a direction sensor to measure directions by sensing Earth's magnetic forces and provide vital information concerning your current location and destination.

Barometer / Thermometer

Combines a pressure sensor to measure atmospheric pressure with a temperature sensor to monitor temperatures, and helps you predict and prepare for upcoming changes in the weather.

Altimeter

Calculates altitudes based on changes in the atmospheric pressure measured with a pressure sensor, and stores several altitude measurements in memory for easy review.

Full "outdoor" specifications suitable for genuine adventure gear

Direction measurement

Shows North, South, East and West on a clear graphic display. Other equipment includes a bearing memory function that enables you to memorize a target direction and a magnetic declination correction function that adjusts the direction standard from "magnetic north" to "true north".

Atmospheric pressure/temperature measurement

Measures and displays the current atmospheric pressure and temperature. It can also measure the atmospheric pressure automatically every two hours and graph the changes during the past 24 hours as well as present a graphic display of the most recent atmospheric pressure tendencies. This function serves as a barometer to help you predict possible changes in the weather.

Atmospheric pressure tendency graph

[A downward trending graph threatens worse weather ahead.]

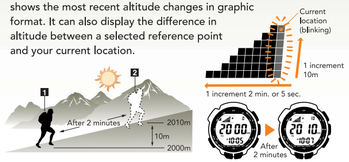
[An upward trending graph promises improvement in the weather.]

Daylight graph

Employs a graphic display to show the sunrise and sunset times on a designated day. This gives you a visual grasp of how much time you have left for such activities as setting up your tent before sunset.

Altitude measurement

Measures your altitude automatically every 2 minutes (or 5 seconds) based on changes in atmospheric pressure and shows the most recent altitude changes in graphic format. It can also display the difference in altitude between a selected reference point and your current location.

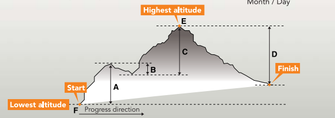


Altitude differential measurement every 5 seconds

Equipped to measure high-speed changes in altitude during activities such as mountain biking, or to take altitude differential measurements every five seconds.

Altitude memory

Permits manual storage of up to 25 memories of altitude, month/day and time measurements, with memory measurement possible at selected points. It can also store memories of your highest altitude, cumulative altitudes and cumulative ascent and descent altitudes and update the data automatically every 2 minutes.

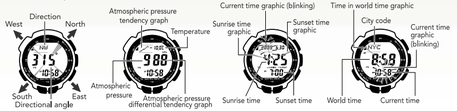


- **Highest altitude (MAX):** Altitude measured at the highest point during memory measurement **(E)**
- **Lowest altitude (MIN):** Altitude measured at the lowest point during memory measurement **(F)**
- **Cumulative ascent altitude (ASC):** Total of altitudes ascended **(A+C)**
- **Cumulative descent altitude (DSC):** Total of altitudes descended **(B+D)**
- **Past memory data:** Displays the highest value ever recorded, the lowest value ever recorded and the historical accumulated total of the cumulative ascent/descent altitudes recorded.

*The accumulated total of ascent/descent altitudes is recorded successively from 0–99,995 meters.

■ Higher-impact expression with dual-layer LCDs

The installation of dual-layer LCDs has added impact to the function displays. It has also enabled graphic display of various functions, including the direction and world time displays. Visibility is enhanced further by the use of a purple polarizing plate to achieve higher contrasts.



■ World time

Displays UTC as well as the time in 48 cities in 31 time zones worldwide. It can also display the time difference between your current location and Kathmandu, the capital of Nepal, home to 8 of the world's 14 mountains in the 8,000-meter class.

■ Operation assist display

Displays an operation guide on the LCD for operations requiring extended depression of the buttons, including such setting operations as altitude setting, home time switching and altitude memory.

■ Full auto EL light

A sensor detects the degree of illumination in the surrounding environment and switches the LED light on automatically when the wearer's wrist is tilted up for viewing.

■ 10-bar water resistant

■ 1/100-second stopwatch

■ Timer

■ 5 daily alarms

Non-stop and self-adjusting

TOUGH SOLAR SOLAR POWERED

Powered by light for a lifetime of use without changing a battery.

The combination of a solar panel with a large-capacity rechargeable battery enables a variety of energy-hungry functions to operate smoothly.

WAVE CEPTOR RADIO CONTROLLED

Receives time-calibration signals from six transmission stations* and corrects itself automatically.**

*Germany, the United Kingdom, North America and China and two in Japan.

**After you make a simple setting adjustment for the new country or region.