

CASIO®



THE ORIGIN
H5600

Origin and Innovation

Since the debut in 1983 of the very first G-SHOCK, the DW-5000C, the brand has embraced the challenge of continual evolution.

The shock-resistant construction, born from the developer's passion about crafting a durable watch that would not break even if dropped, and the iconic streamlined form, which was the natural result of that pursuit of strength and toughness, are evidence of the Casio quest for advancement and untiring innovation, as still seen in 5000 and 5600 G-SHOCK watches today.

And now it's 2023. We introduce the DW-H5600 equipped with heart rate monitor, setting out from a new origin that creates fresh possibilities for G-SHOCK. This milestone timepiece integrates the strength to withstand any activity with the functions you need right at your fingertips.

It is another answer from G-SHOCK for everyone who wants to be strong.

Continuing to evolve, while maintaining its iconic look — the G-SHOCK quest for the ultimate continues.



G-SQUAD
DW-H5600

STORY OF ORIGIN

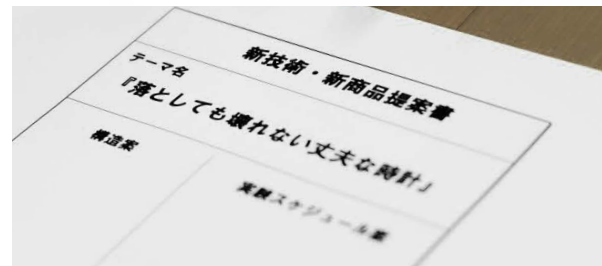
It all starts in 1983 with the debut of the very first G-SHOCK, the DW-5000C.



1st G-SHOCK DW-5000C

A vision in one short phrase

“A durable watch that would not break even if dropped” — a proposal submitted at a company meeting contained only this single line of text. The author was Kikuo Ibe, who was in charge of watch exterior design at the time. He recalls that this clear, simple idea struck him as he looked at a broken watch he had happened to drop at work one day. At the time, watches were considered precisely crafted, delicate instruments, and it was commonly accepted that your watch would break if you dropped it. The concept of toughness — in a watch — was too unconventional, too *avant-garde*. Still, his proposal was approved. Project Team Tough was formed with just three team members, and development of a new kind of watch began.





Tunnel without an exit

Ibe's vision defied all conventional wisdom, so the work for bringing it to fruition had to start from square one. His first assumption was that the entire watch would need to be covered with a soft, flexible material. Drop tests, however, shattered this notion. No amount of shock-absorbent rubber applied to the exterior prevented breakage from occurring. On top of that, the more cushioning, the bigger the watch. At one point, he ended up with a test model the size of a softball!

Eventually, Ibe was able to solve the size issue by devising a five-stage shock-absorbing structure designed to protect the core components of the watch with five cushioning materials. However, the problem then became a matter of strength in the electronic componentry. A vicious cycle took hold: strengthening one component that broke during a drop test would cause another to break. He would fling a prototype with improved componentry from the third-floor bathroom window to the ground 10m below, analyze the components that broke, increase the strength of those components, and repeat the experiment again. This trial and error period stretched on and on, seemingly endless.

A miraculous moment

It was looking like development had ground to a halt. Ibe, finding himself in a tight spot, made a big decision. In a final show of stubborn resolve, he assigned himself one last week to devote every waking hour to the research. The thought even plagued him, he recalls, that if he failed he might have to leave the company. He did his utmost, but the last day of the week came and still he had nothing to show for his efforts. It was a Sunday, and Ibe stepped into a park adjacent to the office and saw some children playing with a rubber ball.

The sight captivated him, and the miraculous idea came: a watch floating inside a rubber ball would be resistant to even the strongest shocks. This breakthrough revelation was the key to the unique G-SHOCK construction — the module, the heart of the watch, would be positioned inside a hollow case structure where it would seem to float suspended in air.



Born in
1983
1st G-SHOCK
DW-5000C

The original and ultimate form

It was 1983 when the very first G-SHOCK, the DW-5000C, made its debut. Its emblematic octagonal design, streamlined with nothing extraneous, is the product of the single-minded pursuit of shock resistance alone. Presented in the ultimate form, this G-SHOCK vision has been passed down to this very day as the enduring standard of G-SHOCK design. This is a story of conviction brought to fruition, through a tireless spirit of inquiry and determination never to give up. This is the G-SHOCK point of origin, and a spirit of toughness that will never fade.



Father of G-SHOCK

Kikuo Ibe

EVOLUTION OF STRUCTURE

Unique structure for true strength

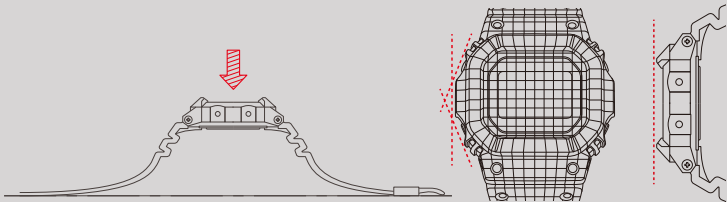
Hollow case structure

The module is designed to “float” inside the hollow case, supported at specific points to reduce overall contact between the case and the module and buffer the impact of external shocks. The material used is a urethane resin that combines flexibility as a shock-absorbing material with strength and lightness as an exterior material.



All-directional covering

The uneven design of the case and bezel surface guards the buttons and watch glass from direct shocks. In addition, the band connects to the case in a curved shape to prevent direct impact to the case back, as well.



DW-5600E

Reinforced structure advances capability

For the inner case, metal is replaced with glass fiber-reinforced resin to provide strength, lightness, and processability. This more flexible design and installation structure provides more freedom in the use of multi-function modules and in exterior designs. As a foundation, this structure supports further G-SHOCK evolution, allowing more advanced lighting, radio control, solar power, Bluetooth® capability, heart rate monitoring and more.

GMW-B5000

Full metal shock-resistant structure

We install fine-resin buffering components between the forged bezel case and center case and employ a three-pronged structure for the connective part of the band to disperse shocks to the connecting pipes. The metal exterior meets G-SHOCK shock-resistance standards, achieving both strength and beauty.



DWE-5600

Carbon Core Guard structure

The carbon fiber-reinforced resin inner case delivers strength and lightness, protecting the core of the watch, the module, from drops and impacts.



GMD-S5600

Slimmer, more compact

A slimmer, more compact take on the 5600, we designed a smaller watch with the same iconic form and shock-resistant structure as regular sized models. A comfortable, versatile design that is easy to add to any wardrobe.



EVOLUTION OF FUNCTION

Practical utility for all environments

Shock-resistant structure + 20-bar water resistance

Features shock- and vibration-resistant structure, as well as 20-bar water resistance, for use in a wide range of settings, under diverse conditions, and during all kinds of activities — from strenuous sports, swimming, surfing, jet skiing and other workouts to everyday washing up and showers.



DW-H5600

Readability in the dark Light functions 1996

We developed the EL backlight, which delivers better lighting than conventional micro bulbs. This was followed by even more advanced light functions like the auto-light function that automatically lights with just a tilt of the wrist, high-brightness LED backlight and more.



Accurate timekeeping Radio-controlled 2005

Radio-controlled G-SHOCK watches automatically adjust the time in response to standard time radio wave signals for much greater accuracy than quartz-only timepieces. Multiband 6 models receive radio waves with time-calibration signals from up to six transmission stations worldwide.



Even more practical utility Smartphone Link 2012

This function pairs the watch to a smartphone via Bluetooth® to automatically adjust the time. Watch functions can also be easily managed on the smartphone app, making everyday life that much more convenient.



Converting light to energy Solar-powered 2002

Casio's unique solar charging system turns light into reliable energy to power the watch's functions. Many G-SHOCK watches are solar-powered to reduce the time and effort required to replace batteries.



Pursuit of multi-functionality Sports functions 2008

An interval timer, tide graph/moon data, low temperature resistance (down to -20°C) and other handy functions for sports and fitness have expanded the reach of the G-SHOCK brand of tough watches.



Measuring heart rate Heart rate monitor 2023

The case back is equipped with an optical sensor to measure heart rate, monitoring the heart in real time during exercise, as well as normal activity.



EVOLUTION OF CMF DESIGN

Unique colors, materials, and finishes create new styles in tough design.

Octagonal form

The iconic octagon was conceived as the optimal form for the shock-resistant structure of the G-SHOCK. Solid, with nothing extraneous, the shape boasts a degree of perfection that is seen as both the starting point and the final form.

Display aspect

The viewing aspect ratio of the LCD display is approximately 16:10, close to the natural viewing angle of the human eye. Seeking optimum visibility, we came to this ratio, almost exactly the “golden ratio,” the most aesthetically pleasing in the natural world and the one used from the very first G-SHOCK for its universal appeal.

Detail

Details that evoke a sense of strength, such as the band's dimpled form and the ribbed design on the sides, are incorporated throughout. Forms so easily molded in resin have been inherited by our full-metal models, as well.



DW-H5600

COLOR

Color is a key feature throughout our designs, from the use of colored resins to mixed-color molding, painting, and printing. We apply our advanced technologies to an array of coloring techniques, greatly expanding the range of our designs.



Vivid color
DW-5600C-9B

Metallic color
DW-5600FL-8

Camouflage color
DW-5600CF-3

Multicolor
DW-5600CMA-9

Translucent color
DW-5600VT-7T

Mixed color
GW-B5600SL-4

Rainbow dial
DW-5600SF-2

Reverse LCD
DW-5600BM-1Z

Color LCD
DW-5000ML-1

MATERIAL

We have evolved our exteriors from urethane to metal and expanded the range of performance materials employed. Taking on the challenges of advancing the materials we use, our timepieces deliver strength, beauty, and ease of use.



Stainless steel exterior
GMW-B5000D-1



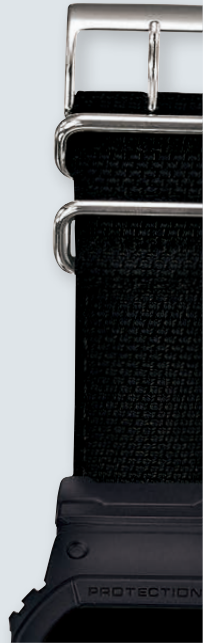
Super-hard titanium exterior
GMW-B5000TCC-1



18K gold exterior
Sample model exhibited at BASELWORLD



CORDURA® band
DW-5600BBN-1



Carbon fiber insert band
GW-S5600-1



Velcro band
DW-056USV-1T



Face protector
DW-5600ED-4



Synthetic opal dial
GLS-5600KL-6

Bio-based resin Case, bezel and band
DW-H5600-1



FINISH

Using unique Casio technology, meticulous attention to detail is paid to the finishes of our timepieces. We craft one-of-a-kind value with enhanced quality design and uniquely distinctive models.



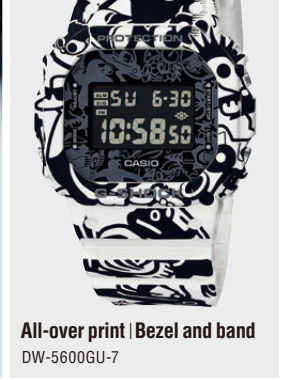
Laser engraving
GMW-B5000EH-1



Polarized print | Bezel and band
DW-5600PM-1



Multicolor IP
GMW-B5000TR-9



All-over print | Bezel and band
DW-5600GU-7



Recrystallization and deep-layer hardening
GMW-B5000PG-9



Ion plating (IP) | Bezel
DW-H5600MB-1



Metallic vapor deposition Dial
DW-5600BBMA-1



Rainbow vapor deposition Glass
DW-5600SR-1



Hairline and mirror finish
GMW-B5000D-1

CHRONICLE OF ORIGIN SERIES

Casio celebrates 40 years since the debut of the very first G-SHOCK — four decades of sustained iconic form and ongoing evolution in pursuit of the ultimate.



The first-ever G-SHOCK DW-5000C-1A

SINCE 1983

Enhanced Materials

Metal Finishes

Color & Design

Compact Models

Enhanced Functionality

Collaborations



2019
GW-B5600HR-1
Resin band links encasing metal components



2018
GMW-B5000D-1JF
Full metal shock-resistant structure



2023
DW-D5600TD-3
Moiré pattern in fluorescent colors evoking the distortion of time and space



1999
DW-056USV-5T
Cloth band



2010
GLS-5600KL-6
Synthetic opal dial



2019
GM-5600-1
Metal-covered model



2023
GMW-B5000TCC-1
Made with super-hard titanium alloy



2002
DW-5600CF-3
Camouflage model



2015
DW-5600PM-1
Polarized print in marbled patterns



1996
DW-5600ED-4
With face protectors



2004
G-5600L-1
Wide leather band



2001
DW-5000D-8
With metal band



2019
GMW-B5000TCM-1
With titanium exterior



1987
DW-5600C-9B
First yellow model



2013
GW-M5610SD-8
Desert beige model



1988
DW-500C-1
Pioneer BABY-G model



2020
GM-S5600PG-1
Smaller model



1983
WW-5100C-1
Low-temperature resistance to -30°C



2002
G-5600-1
First model with Tough Solar



2006
DW-5600SF-2
Collaboration with surf brand



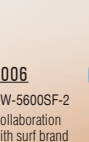
2014
DW-5600BD-2
Collaboration with Terje Haakonsen



1987
DW-5600C-1
First 5600 model



2005
GW-5600J-1
First radio-controlled solar-powered model



2018
DW-5635NIGO-9
Collaboration with NIGO® & K. IBE



2023
GMD-S5600-8
Slimmer, more compact model



1996
DW-5600E-1
First model with EL backlight



2009
GW-5000-1
Radio signals from six transmission stations worldwide



2022
GMW-B5000EH-1
Collaboration with Eric Haze

2023

DW-H5600-1
Heart rate measurement capability



2022
GMW-B5000EH-1
Collaboration with Eric Haze

*Listed year of release is based on overseas markets. 16

G-SHOCK

G-SQUAD

DW-H5600

The DW-H5600 boasts the emblematic octagonal form of the first-ever G-SHOCK, now equipped with optical sensors to measure heart rate. Smartphone connectivity provides multifaceted support for daily workouts as well, from tracking a diverse range of activities to analyzing and managing training sessions. The iconic G-SHOCK 5600 line has evolved even further, boldly breaking into the athletic world.



DESIGN

Unchanging form:
Inheriting the DNA of the
very first G-SHOCK



Descendant of the origin

Iconic form

The octagonal form of the first-ever G-SHOCK, a streamlined design that eschews the extraneous, fits equally comfortably on the sports field as it does in the city streets.



Light and comfortable

Slim and compact

The carbon fiber-reinforced resin case, smaller battery, and thinner LCD make it possible to incorporate the optical sensor in a smaller, lighter watch. Sized not to interfere with movement for easy wear during active use.

Strong and beautiful

Metal bezel (DW-H5600MB)

Metal is used to craft a bezel emblematic of the original octagonal form. Hairline and blue IP finishes craft a look that is both strong and beautiful.



Attention to materials

Bio-based resins

The carbon fiber-reinforced resin case and urethane bezel and band are made with bio-based resins. Produced using renewable organic resources, this material is expected to help reduce environmental impact.



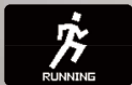
TECHNOLOGY

First model in the 5600 line to feature heart rate monitoring capability: Incorporating advanced functions without changing the original iconic form.

Activity measurements

Optical sensor (heart rate)

The case back is equipped with an optical sensor that measures heart rate by emitting LED light to track changes in blood flow. The watch also includes an accelerometer to count steps. For even greater accuracy of distance measurement, the watch can be paired with smartphone GPS to fine-tune the data captured by the accelerometer.



Withstands hard use

Shock-resistant structure and 20-bar water resistance

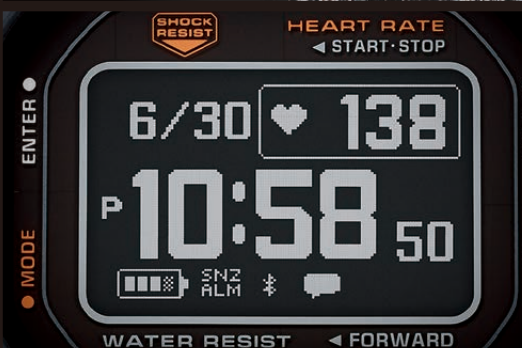
The shock- and vibration-resistant structure is designed to withstand hard activity. 20-bar water resistance means worry-free wear during sudden rain and even eliminates the need to remove the watch when showering.



Supports daily activities

Smartphone Link

Pairs to a smartphone via Bluetooth® to automatically adjust the time and allow easy setting of watch functions. This capability also makes managing training results and checking progress on the app easy.



Easy-to-read display

MIP LCD + Super Illuminator

High-definition memory in pixel (MIP) LCD provides enhanced visibility of time display and measurement data. Super Illuminator (high-brightness LED backlight) ensures readability, even in the dark, to support activity day and night.



Everyday use

Solar-assisted charging

Use USB charging for training functions such as heart rate monitor, as well as smart functions such as notifications and step tracker.*¹ Time display is powered solely by solar charging, even when battery runs low.*²

*¹ Charging time: Approximately three hours. Allows approximately one week of continuous operation from a full charge (when using for an hour a day).

*² When charged about eight hours every day under indoor fluorescent lighting (600 lux), and charged at window side on a sunny day for two hours in a week (10,000 lux).



LINEUP



DW-H5600-1

Accessory: Dedicated charging cable



DW-H5600-2

Accessory: Dedicated charging cable



DW-H5600MB-1

Accessory: Dedicated charging cable



DW-H5600MB-2

Accessory: Dedicated charging cable

Urethane bezel

Specifications • Shock-resistant structure • 20-bar water resistance • USB charging + solar-assisted charging • Smartphone Link (automatic connection) • Heart rate measurement • Blood oxygen level measurement • Step tracker • Activity tracking • Activity log • Life Log • Training analysis (Powered by POLAR®) • Sleep tracker (Powered by POLAR®) • Breathing exercises (Powered by POLAR®) • Almanac (Sunrise and sunset times, moon age) • World time (38 cities) • Airplane mode • Stopwatch • Countdown timer • 4 daily alarms • Vibration function • Full-auto LED backlight (Super Illuminator)



CASIO WATCHES
(Smartphone app)

- Auto time adjustment
- Easy watch setting
- Approximately 300 world time cities

- Notification function (incoming calls, incoming e-mails, new social media posts, calendar notifications, reminders)
- Training analysis data

- Activity log data
- Life log data
- Sleep analysis data
- Phone finder
- Distance connection via smartphone GPS

gshock.casio.com/intl/

CASIO COMPUTER CO., LTD. Tokyo, Japan

Design and specifications are subject to change without notice.
The colors of actual products may differ somewhat from their appearance in this catalog.

