

Casio to Release All-New Titanium Alloy G-SHOCK

*Exterior Finish Enhances Material Beauty
A Special Watch with Multicolor Ion-Plated Bezel and Band*



GMW-B5000TR

TOKYO, March 10, 2021 — Casio Computer Co., Ltd. announced today the release of the GMW-B5000TR, a new addition to the square Full Metal 5000 series of shock-resistant watches made with a new titanium alloy developed specifically for G-SHOCK.

The external components of the GMW-B5000TR employ a new titanium alloy in the TranTixxii™ designing titanium brand. True to Casio's unflinching pursuit of advanced materials for G-SHOCK, the new titanium alloy was developed with Nippon Steel Corporation over a six-year period of R&D. This special alloy delivers roughly twice the hardness of pure titanium, but still boasts the same lightweight, anticorrosive and hypoallergenic properties. This intense hardness makes it possible to produce a mirror finish comparable to stainless steel on titanium, which typically has been difficult to process in this way. The result is the first titanium G-SHOCK with a mirror-finished bezel and band.

The same properties that make possible the stainless steel-like mirror finish also allow for new expressivity that highlights the beauty of ion plating. Casio has taken advantage of this advanced material technology to create its first full-metal watch with multicolor ion plating. The gold ion-plated case plays off the polychromatic ion plating for individual segments of the band and buttons, in red light and dark gray, plus more gold, as well as newly developed dark blue, infusing this metal model with the playfulness of G-SHOCK design. The multicolor dial adds to the pop feel.

The GMW-B5000TR is equipped with Smartphone Link functionality for automatic time adjustment, world time, and many more functions that are easy to use. The innovative design is accompanied by outstanding practicality, thanks to the original Casio Tough Solar power system, Multiband 6 radio wave reception, and full-auto LED backlight.

TranTixxii™

A titanium brand jointly developed by Nippon Steel Corporation and partner companies,

TranTixxii™ titanium materials emphasize superior aesthetic properties developed by applying the material development technology Nippon Steel has amassed in its steel-producing business. Nippon Steel is the world's third largest producer of crude steel and the largest steel manufacturer in Japan.



Specifications

Construction	Shock-resistant	
Water Resistance	200 meters	
Radio Frequency	77.5 kHz (DCF77: Germany); 60 kHz (MSF: UK); 60 kHz (WWVB: USA); 40 kHz (JJY: Fukushima, Japan) / 60 kHz (JJY: Kyushu, Japan); 68.5 kHz (BPC: China)	
Radio Wave Reception	Automatic reception up to six times a day (except for use in China: up to five times a day)	
Communication Specifications	Communication Standard	Bluetooth® low energy
	Signal Range	Up to 2 meters (may differ depending on surrounding conditions)
World Time	5 world times selected from 39 cities (39 time zones,* daylight saving on/off) and Coordinated Universal Time, city name display, home time/world time city swapping, auto summer time (DST) switching * May be updated when connected to a smartphone.	
Stopwatch	1/100 second (00'00"00~59'59"99) / 1 second (1:00'00"~23:59'59"); measuring capacity: 23:59'59.99"; measuring modes: elapsed time, split time, 1st and 2nd place times	
Countdown Timer	Measuring unit: 1 second (maximum 24 hours)	
Alarm	5 daily alarms (with 1 snooze alarm); hourly time signal	
Other Functions	Smartphone Link functions (world time: over 300 cities + user-added cities, automatic time adjustment, easy watch setting); Time & Place; Reminder; Phone Finder; date/month display swapping; day display (in English, Spanish, French, German, Italian or Russian); full auto-calendar; 12/24-hour format; button operation tone on/off; full auto LED backlight (Super Illuminator and afterglow: 2/4 seconds, fade-in/fade-out afterglow); low battery alert	
Power Source	Tough Solar power system (solar-charging system)	
Continuous Operation	About 22 months with the power-saving function* ON after full charge * Power-saving after a certain period in a dark location	
Size of Case	49.3 x 43.2 x 13.0 mm	
Total Weight	Approx. 104g	

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