

Casio to Release First G-SHOCK MUDMASTER Built with Forged Carbon New Dust- and Mud-Resistant Watch Uses Innovative Materials and Structure for a Smaller, Slimmer Profile



GWG-2000-1A3ER

Norderstedt, September 15, 2021 — Casio Europe GmbH announced the latest addition to the Master of G line of G-SHOCK shock-resistant watches, which are designed for use in the most extreme conditions. The new MUDMASTER GWG-2000 is the first G-SHOCK to be built with forged carbon, which is both lightweight and strong.

The GWG-2000 is the latest addition to the MUDMASTER series of watches with a dust- and mud-resistant structure designed for use in land environments with lots of dirt, sand, mud, dust, or rubble. For the first time in a G-SHOCK watch, the new GWG-2000 employs forged carbon, a material that is used in aircraft and racing cars.

Forged carbon is a special type of carbon fiber-reinforced resin, a material that is lighter than and has tensile strength superior to stainless steel. With its ability to be pressed into complex shapes, forged carbon is used for the lug connecting the bezel to the band on both sides, structurally protecting the watch face.

Forged carbon is made by kneading fine particles of carbon fiber into resin, which is then forged in a press die at high temperature and pressure. Viewed from certain angles, fine carbon particles are visible on the surface, forming a random black and gray pattern that not only looks appealing but is truly one of a kind.

The watch also features newly developed Mud Resist buttons throughout. The combination of stainless steel button pipes and internal silicone buffer material, which not only absorbs shock but provides a tight seal, ensures even better dust- and mud-resistant performance.

The case is made from lightweight, durable carbon fiber-reinforced resin. The materials and structure have been rearranged to make the case 1.9 mm slimmer than the previous model*. Inspired by professional gear, the band is textured in the style of the no-slip rubber grips seen on specialized vehicles and heavy machinery, and the buttons are knurled for better control, making for a highly functional, powerful tool. The GWG-2000 is available in three colors: stoic monochrome gray, military-look khaki, and sand beige.

*MUDMASTER GWG-1000

Models	Color
GWG-2000-1A1ER	Gray
GWG-2000-1A3ER	Khaki
GWG-2000-1A5ER	Sand beige



GWG-2000-1A1ER



GWG-2000-1A3ER



GWG-2000-1A5ER

Specifications

Construction	Shock-resistant, mud-resistant
Performance	20-bar water resistance
Radio Frequencies	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); manual reception
Digital Compass	Measures and displays direction as one of 16 points; measuring range: 0° to 359°; measuring unit: 1° (digital display) / 6° (hand); 60 seconds continuous measurement; hand indication of north; bidirectional calibration and magnetic declination correction
Barometer	Measuring range: 260 hPa to 1,100 hPa (7.65 inHg to 32.45 inHg); measuring unit: 1 hPa (0.05 inHg); atmospheric pressure change indicator (± 10 hPa); barometric pressure tendency graph (past 20 hours graph display); barometric pressure tendency information (beep and arrow indicates significant pressure changes)
Altimeter	Measuring range: -700 m to 10,000 m (-2,300 ft to 32,800 ft.); measuring unit: 1 m (5 ft.); manual memory measurements (up to 30 records, each including altitude, date, time); auto log data (high/low altitudes, cumulative ascent and descent); hand indication of altitude differential; others: relative altitude readings (± 100 m / ± 1000 m); measurement interval setting*1 (every 5 seconds / every 2 minutes) *1: 1 second for first 3 minutes only
Thermometer	Measuring range: -10°C to 60°C (14°F to 140°F); measuring unit: 0.1°C (0.2°F)
World Time	29 time zones (29 cities + coordinated universal time), daylight saving on/off, home city/world time city swapping
Stopwatch	1/100 second; measuring capacity: 24 hours; measuring modes: elapsed time, split time, 1st and 2nd place times
Countdown Timer	Measuring unit: 1 second (maximum 60 minutes)

Alarm	5 independent daily alarms; hourly time signal
Other Functions	Full auto-calendar; 12/24-hour format; battery level indicator; button operation tone on/off; full auto double LED backlight (Super Illuminator) with afterglow: 1.5 or 3.0 seconds; hand shift feature (manual, auto: barometer / altimeter / thermometer function)
Power Source	Tough Solar power system (high-capacity solar-charging system)
Continuous Operation	About 25 months with the power-saving function*2 ON after full charge *2: Display shuts off and hands stop after a certain period in a dark location
Size of Case	61.2 × 54.4 × 16.1 mm
Total Weight	Approx. 106g