

CMG-GPS3 for DM24



Global Positioning System Receiver



The Guralp Systems CMG-GPS3 is a robust, waterproof and reliable Global Positioning System (GPS) antenna specially designed for use with Guralp DM24 digitisers as well as CMG-3TD and CMG-5TD digital seismometers. Digitisers and digital instruments need an extremely stable and reliable clock source in order to prevent data jitter and to accurately time-stamp the digitised data.

The CMG-GPS3 operates completely automatically and requires no configuration or initialisation. Once connected to a power supply, it will start sending status information immediately. A full, three-dimensional fix is normally obtained within two minutes when sufficient satellites are in view.

Key Features:

Unbreakable, lightweight (300g), waterproof plastic casing with IP67 ingress protection rating.

Single ten-pin military-specification bayonet connector carries power, NMEA data and PPS (pulse-per-second) signal

RS232 (or, optionally, RS422) outputs allow siting of the receiver up to 50 metres from the digitiser (or greater than 1,000 metres with RS422 outputs)

Full NMEA output includes time, position, elevation and status information

- Fully isolated power supply input
- Wide range of supply voltage: 10 to 36 VDC
- Low power consumption: <400 mW
- Wide operating temperature range: -20 to +80 °C

