

CMG-GPS4



GLOBAL POSITIONING SYSTEM RECEIVER



The CMG-GPS4 is a robust, waterproof and reliable global positioning system (GPS).

Designed for use with Güralp instrumentation, the GPS antenna provides a stable and reliable clock source for accurate time stamping of digitised data.

The CMG-GPS4 operates completely automatically and requires no configuration or initialisation. Once connected to a power supply, it will start sending status information immediately. The 56 channel receiver means a full, three-dimensional fix is normally obtained within 30 seconds.

Additionally, the GPS4 will provide advance notice of impending leap seconds for improved data management.

Key features

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

RS232 outputs allow for a distance of up to 50m from the digitiser

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

56 channel receiver for maximum coverage

Supply voltage of 5 - 36 V DC

Low power consumption of 114 mW

Wide operating temperature of -20 to +80 °C

The CMG-GPS4 is available as two versions:

- > Ten-pin connector - for use with DM24SX/EAM/U and Affinity digitisers; NAM and EAM data acquisition units; 3TDE and 40TDE broadband seismometers; 5TDE accelerometers.
- > Six-pin connector - for use with CD24S3/EAM digitisers and 6TD seismometers.

Both versions use military-specification bayonet connectors that carry power, NMEA data and PPS (pulse-per-second) signal.

Images show the CMG-GPS4

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In the interests of continual improvement with respect to design, reliability, function or otherwise, all product specifications and data are subject to change without prior notice.

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