

CMG-EDU-T



Triaxial broadband seismometer



The Guralp Systems CMG-EDU-T is an ultra-lightweight digital seismometer designed for educational institutions, incorporating a triaxial broadband sensor and a compact digitizer with 24-bit resolution.

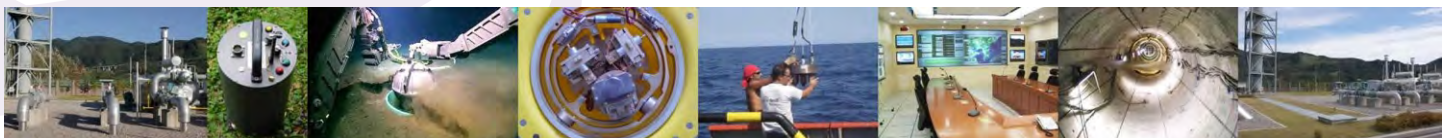
Using the CMG-EDU-T with Guralp Systems' free Scream! software for Windows, educators can demonstrate earth processes in a hands-on environment, and earth sciences students can investigate local and remote seismic events.

Lightweight and waterproof to IP67 standard, with "O"-ring seals throughout, the EDU-T is suitable for installation in a wide range of environments.

The EDU-T outputs digital data at up to 40 samples/s direct to a PC, or optionally over Ethernet or wireless networks, where it can be displayed or recorded in Scream!. This easy-to-use software package allows students to explore real-time and recorded seismic events, and investigate their characteristics using filters and

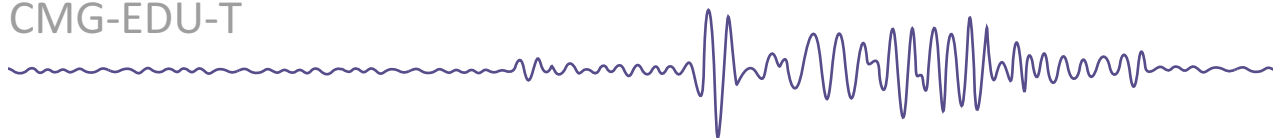
Key Features:

- Research quality broadband force-feedback instrument
- Quick and easy, one-person installation
- No mass control required – plug in and go
- High sensitivity and dynamic range
- On-board 24-bit digitizer with configurable output
- Ultra low power (< 0.9 W at 40 samples/s)
- Ethernet and Wi-Fi options available



Specifications

CMG-EDU-T



Velocity output bandwidth	30 s – 40 Hz
Velocity output sensitivity	2 × 1200 V/m/s
Lowest spurious resonance	450 Hz
Linearity	> 95 dB
Cross-axis rejection	> 60 dB
Electronics noise level	-147 dB (rel. 1m2s-4Hz-1)
Data output format	GCF over RS232, Firewire, Ethernet or Wi-Fi
Sample rates	4 – 1 samples/s
Digitizer resolution at 1 sample/s	21 bits
Operating temperature	-20 to +85 °C
Temperature sensitivity	< 0.6 V per 10 °C
Materials	Hard anodised aluminium case Gold plated contacts O-ring seals throughout
Case diameter	154 mm
Case height (excl. handle and feet)	153 mm
Weight	2.7 kg (entire system < 4.1 kg)
Power supply	10 – 28 V DC
Current at 12 V DC	65 mA
Calibration controls	Common signal & enable lines exposed on sensor connector
Offset zeroing	Not normally required
Levelling range	±3 ° from horizontal



SEISMOLOGY
RESEARCH
CENTRE

Your Distributor:
Seismology Research Centre
141 Palmer St, Richmond VIC 3121
T: +61 3 8420 8940
www.src.com.au

