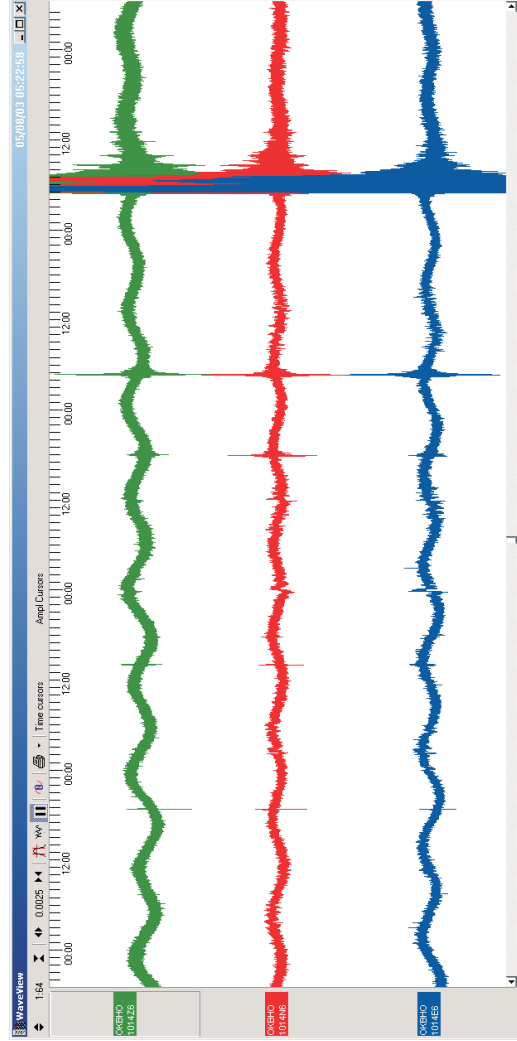




Guralp Broadband Seismometers

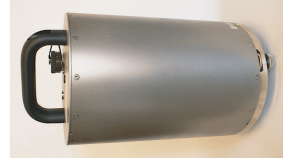
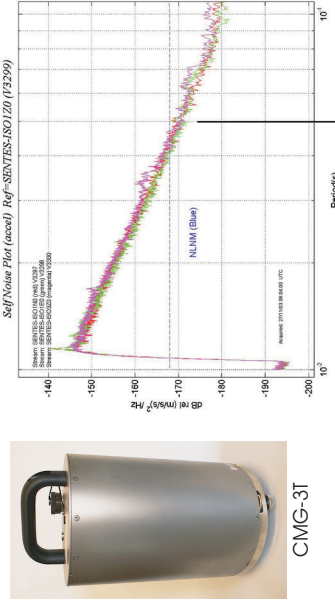
“From Earth Tides to 100 Hz”



The above traces clearly show Earth Tides, and are taken from a 360s to 50Hz borehole instrument. The data is raw and unfiltered from the 1 sps output of a CMG-DM24 digitiser.

Self Noise

The plots below clearly show the measured Self-Noise of 4 different CMG-3 Vertical Sensors crossing the USGS-NLNM above 20 Hz.



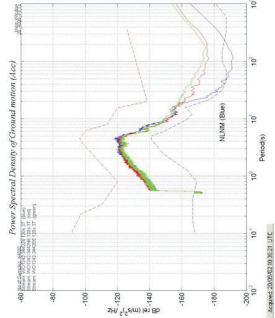
CMG-3T

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CMG-3 Broadband Seismometers

Key Features:

- Proven design and track record since 1987
- Frequency responses available from 0.0027 (360s) to 50 Hz (100 Hz high corner option)
- Output sensitivities available from 2*750V/m/s up to 2*20,000 V/m/s
- Self noise better than -195 dB relative to 1 m²/s⁴/Hz @ 1 Hz
- Self noise Below USGS NLNM from better than 200s to above 20Hz (vertical)
- Robust automatic mass locking / unlocking
- Automatic Mass centering
- Ultra low power versions available <0.31 Watts for OBS applications



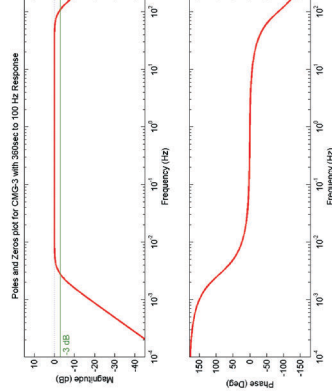
NEW!!

- Compact version of CMG-3T
- Reduced height < 11.5 inches from bottom of feet to top of handle (< 291 mm)
- Weight less than 11.5 Kg
- Upgraded electronics using low profile surface mount technology
- Enhanced robust locking mechanism
- Low profile OBS version available



CMG-3T & 3T “Compact”

Single Sensor, Single Transfer function



The above plot shows that from one Sensor the complete range from 360s to 100 Hz can be covered. A SINGLE transfer function defines the complete Sensor Response. This transfer function can be stored inside the Sensors non-volatile memory accessible by I²C interface or I-wire bus.



CMG-3TB

Optional 100 Hz high frequency Corner

The plot below shows the actual measured normalised frequency response from the CMG-3 Sensor

