



Datasheet



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www.sunbeltrentals.co.uk

Accudata GVM1 Seismograph Specifications

Number of channels	3
Sampling interval (samples per second)	2048
Analogue to Digital Converter	16 bits
Date storage memory	500 records
Frequency range	2-250 Hz
Record time	1- 16 seconds in increments of 2 ⁿ seconds
Trigger mode: Trigger level can be configured between 0.2 and 100 mm/s	Automatic
Data transfer (direct connection between computer and GVM1 is not necessary)	SD Card
External power supply	12 V
Internal Battery	Li-Polymer battery
Battery life (Using Night Mode)	5 days
Display Screen	Full colour TFT graphic screen 320x128 pixels + 4 LEDs
Keyboard	2 keys membrane
Protection	IP-54
Dimensions (mm)	210x100x40 mm
Weight (without accessories and transducer)	0.5 kg
Working temperature	-10°C to 50°C
Storing temperature	-20°C to 60°C
Working humidity	Without condensation
Storing humidity	Without condensation



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Reg. No. 04332744



The Accudata GVM-1 Ground Vibration Meter (Seismograph / Vibrograph)

- Designed for extreme ease of use to measure ground-borne vibration during civil engineering works, e.g. piling.
- The GVM-1 has a high resolution colour touch screen.
- There are only two buttons. Switch on and the main menu appears.
- The menu choices are obvious, so there is no need for a manual.
- The default set-up is bar-graph mode but there is a smart icon at the top of the screen to enable a waveform monitoring mode option.
- A moon smart icon enables the daytime option to extend battery life by monitoring between 08:00 & 20:00hrs.
- Re-chargeable Li-Polymer batteries are contained within the instrument.
- The GVM-1 is designed for use in its weatherproof Peli-Storm case.
- Software is supplied on a memory stick that when plugged into a computer, automatically opens the default web browser and displays a menu with 4 choices:
 1. Run the program directly from the memory stick without installing it (useful with computers that prevent installation of unchecked software).
 2. Install the software – No drivers are needed.
 3. View / download the single A4 page user guide.
 4. View / download the full user manual.
- The GVM-1 stores all event data on an integral SD card.
- The GVM-1 is never directly connected to a computer, thus removing any possibility of the connection problems often associated with RS232/USB.
- When monitoring, the screen is updated every second and shows PPV in mm/s and the predominant frequency in each axis.

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The Accudata GVM-1 Ground Vibration Meter



HIGH QUALITY WEATHERPROOF CASE



CALIBRATION CERTIFICATE
& USER INSTRUCTIONS



THE ACCUDATA GVM-1
STORES 500 EVENTS ON SD CARD



SD CARD FITTED INTO THE GVM-1



MEMORY STICK CONTAINING
THE ANALYSIS SOFTWARE



LOCKING POINTS



BATTERY CHARGER



GROUND SPIKE



TOUCH SCREEN STYLUS



TRI-AXIAL GEOPHONE SENSOR UNIT

Please see our website www.accudata.co.uk for full details

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