Accudata GVM2 Technical Specifications

Number of channels: 4 or 7 (1 or 2 tri-axial geophone blocks + 1 Microphone).
Accelerometer based transducers are available as an option.
Sample rate: 2048 samples per second
Analogue to Digital Converter: 16 bits
Frequency range: 2-250 Hz or 1-315 Hz option
Record time: 1, 2, 4, 8, 16, 32 seconds
Trigger mode: Automatic (the trigger level can be different for each channel), Manual or External
Data transfer modes: (No connection between the GVM2 & the computer is required).
USB Disk, Printer, SMS messages, WEB server, FTP server & Email.
Data storage memory: 200 MiB (up to 6000 records with 4 channels). Other capacities are available as an option.
External power supply: 12 V
Internal power supply: Li-Ion rechargeable battery
Battery life: 20 hours of continuous use
LCD screen: 128x64 pixels
Keyboard: 8 keys
Dimensions 180x220x70 mm
Weight (without accessories) 1.9 kg
Operating temperature -10º C to 50º C

Technical data (2-250 Hz version)
Seismic channels measurement range: ± 200 mm/s (DX) (*1)
Resolution: 0.01 mm/s
Minimum measurement: 0.05 mm/s
Correction response: IIR digital filter
Transducer type: Geophones fn = 8 Hz

Technical data (1-315 Hz version)
Seismic channels measurement range: ± 120 mm/s (DX) (*1)
Resolution: 0.01 mm/s
Minimum measurement: 0.05 mm/s
Correction response IIR digital filter
Transducer type: Geophones fn = 4.5 Hz
Air over-pressure channel measurement range ± 502 Pa (148 dB)
Resolution: 0.1 Pa
Minimum measurement: 2 Pa (100 dB)
Frequency response: 2-250 Hz or 1-315 Hz

MODEM & LAN OPTIONS

The optional modem and LAN options offer the following benefits:
● Send data by SMS text messages (with the modem option).
● Remote control of the GVM2 configuration and set-up with a web based application
(no special software required).
● Access to the data from a mobile phone or computer.
● Receive an e-mail with the data.
● FTP server for fast and easy data transfer.
● Synchronisation with an external time server (NTP protocol). This option enables the GVM2 system clock to have millisecond accuracy.

Alarm
A two-stage alarm can be programmed so that if the measured value exceeds the trigger level, a message is sent to an e-mail address specified by the user.
A fixed IP address is recommended, but a dynamic IP address may be used, in which case an e-mail is received if the IP address changes.