

VIBRALOC - The intelligent vibration monitor



- **Compact and versatile - Fits into your pocket!**
- **Unsurpassed measurement characteristics for peak performance**
- **Modular construction to meet future developments**
- **Two standard alkaline D-cells provide power for up to 3 weeks on site**
- **Easy to use thanks to on screen menu driven operation**
- **A solid aluminum block to withstand your environmental requirements**

ABEM Vibraloc specifications:

Channels	3 geophone channels, 1 microphone channel
Standard sensors	3 built-in geophones
Optional sensor	1 weatherproof airblast microphone
Frequency range	2-250 Hz
Record length	Default: 2 s, expands automatically to 10 s if signal is present User selectable: 1, 2, 4, 8, 16, 32, 64 s
Pretrig	10% of registration length up to 4 s record length, for longer records 0.5 s
Sampling frequency	1000, 2000 or 4000 Hz
Measuring range	± 250 mm/s
Resolution	Better than 0.02 mm/s up to 31 mm/s Better than 0.1 mm/s up to 250 mm/s
Trigger level	User selectable
Memory	800 events at 1 s record length and 1000 Hz
Power Supply	Internal: Two alkaline LR20 batteries, easily replaceable External: 2.2 – 3.3 VDC (optional accessory)
Internal battery lifetime	2 – 3 weeks at 20°C
Environmental parameters	Operating Temperature –20°C to +60°C Splash-proof
CE compliancy	Full compliance with: Low Voltage Directive, 73/23/EEG and 93/68/EEG Electromagnetic Compatibility Directive, 89/336/EEG with amendments, 92/31/EEG, 93/68/EEG
Weight	1.75 kg with batteries
Dimensions LxWxH	178 x 86 x 67 mm excl. connectors
Display	4 x 20 characters
Keyboard	5 keys for easy navigation in menu system
Connectors	One connector for RS232 communication and external power supply. One connector for optional external microphone
Standard PC software	VIBRALOC REMOTE: Software for remote control & file transfer UVSZ: Software for time domain analysis of event files (delta-times, amplitudes, ZX frequency etc)
Optional PC software	UVSZ ANALYSIS: Software for time & frequency domain analysis of event files (filter, integ/differ, resultant, FFT etc)

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