

VIBmeter - portable vibration analyzer



The VIBmeter is a compact, rechargeable, portable device designed to conform to ISO10816-3 and operate with a constant current accelerometer providing an accurate vibration measurement.

Features comprise of the ability to store up to 100 time-stamped readings, including; RMS, peak, peak-peak, crest factor and bearing conditions all on an easy to read vibrant colour LCD display.

Features

- Rechargeable Lithium-ion battery with worldwide charger
- Switchable low pass filter
- User-selectable units
- High visibility colour LCD display.
- RMS, peak, peak-peak, crest factor readings in acceleration, velocity or displacement modes
- Bearing condition modes (acceleration and velocity)
- 100 memories can store vibration and time/date
- Industrial rubber case
- Adaptive amplifier for high accuracy
- AC output

- Audio output for listening to vibration directly
- Supplied with MTN/2200 probe sensor, others available.

Specifications

Measurement ranges

Acceleration	20 g
Velocity	200 mm/s
Displacement	2000 μm
	Different ranges available

Modes

RMS
 Peak
 Peak-peak
 Crest factor
 Bearing acceleration
 Bearing velocity

ISO10816-3

8 modes for machine classes I, II, III, IV, rigid/fixed 20 g foundations

Visual indication of machine status	Unacceptable Unsatisfactory Satisfactory Good
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Frequency range

Low pass filters	1 kHz, 5 kHz, 10 kHz
Band-pass filter	1-10 kHz

Units

Acceleration	g, m/sec ²
Velocity	mm/sec, in/sec
Displacement	μm , mils

Display

Type	TFT 16 bit colour
Resolution	160 x 128
Viewing angle	100°
Viewable size	35 x 28 mm

Memory Size	100 slots storing vibration, time, date, filter, units, crest factor
Connections	
Power	USB mini-B
Headphones/AC signal	3.5mm stereo
Sensor	4 pin Lumberg
Environmental	
Operating temperature	0 to +45°C
Storage temperature	-20 to +60°C
Power	
Charger	100-240V/5V 1A USB with 4 adaptors
Battery	Li-ion 3.7V
Battery life	>20 hours
Power status	Battery icon indicates charging status, battery level
Dimensions	
Size (L x W x H)	130 x 78 x 28mm
Accessories	
	VIBmeter
	Probe
	Magnet
	4" ¼"-28UNF Spike
	Coiled sensor cable
	USB A to mini USB B cable
	Worldwide adaptor with 4 adaptors
	Carry case
	Handbook