

The MTN/VM330D is a compact, rechargeable, portable handheld Vibration Meter 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 and transfer to PC 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.

MTN/VM330D



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
- Memory data can be transferred to PC with USB cable (included)
- 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	20g
Velocity	200mm/s
Displacement	2000 μ m

Modes	RMS Peak Peak-peak Crest factor Bearing acceleration Bearing velocity
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ISO10816-3

- 8 modes for machine classes I, II, III, IV, rigid/fixed foundations
- Visual indication of machine status:

	Unacceptable
	Unsatisfactory
	Satisfactory
	Good

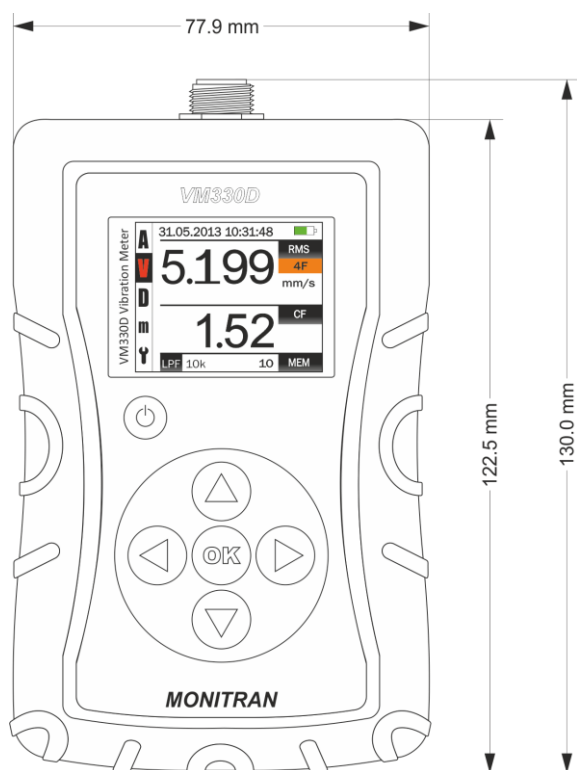
Frequency range

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

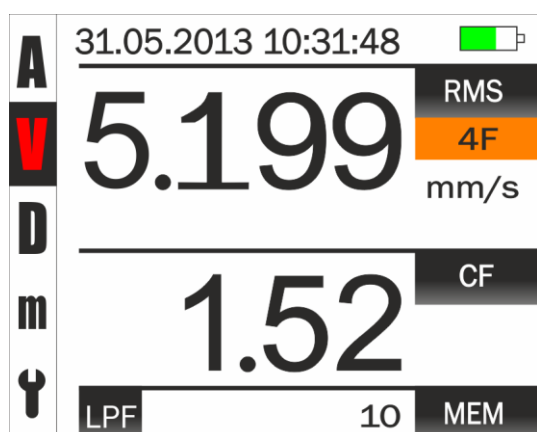
Carrying case



Dimensions



VM330D colour display



Units

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

Display

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

Memory

Size	100 slots storing vibration, time, date, filter, units, crest factor
PC data transfer	Vibration, time, date, filter, units, crest factor values to CSV file for use with spreadsheets

Connections

Power/Data	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	>18 hours
Power status	Battery icon indicates charging status, battery level

Dimensions

Size (L x W x H)	130 x 78 x 28mm
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Accessories

MTN/VM330D	Vibration meter
MTN/2100-HP	Probe
MTN/MM001	Magnet
MTN/PS002	4" ¼"-28UNF Spike
MTN/CA476	Coiled sensor cable
MTN/CA477	USB A to mini USB B cable
MTN/BT004	Worldwide adaptor with 4 adaptors
MTN/HE016	Carry case
MTN/HB084	Handbook