

The MTN/VM220 is a compact, rechargeable, portable handheld Vibration meter designed to conform to ISO10816-3 and operate with a constant current accelerometer providing accurate vibration and temperature measurements. 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.

## MTN/VM220



## Features

- Rechargeable Lithium-ion battery with worldwide charger
- Switchable low pass filter
- User-selectable units
- High performance crisp 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, temperature and time
- Tough rubberised case
- Adaptive amplifier for high accuracy
- AC output
- Audio output for listening to vibration directly
- Supplied with MTN/2200T probe sensor, others available.

## Specifications

### Measurement ranges

Acceleration	200g
Velocity	2000mm/s
Displacement	2000 $\mu$ m
Temperature	< 100°C

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

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

	<i>Unacceptable</i>
	<i>Unsatisfactory</i>
	<i>Satisfactory</i>
	<i>Good</i>

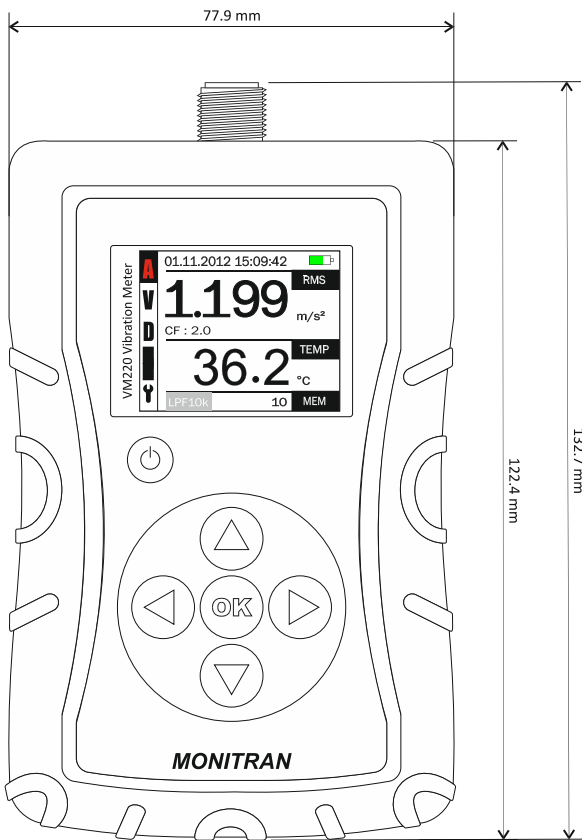
### Frequency range

Low pass filters	5kHz, 10kHz, 20kHz
Band-pass filter	1-10kHz

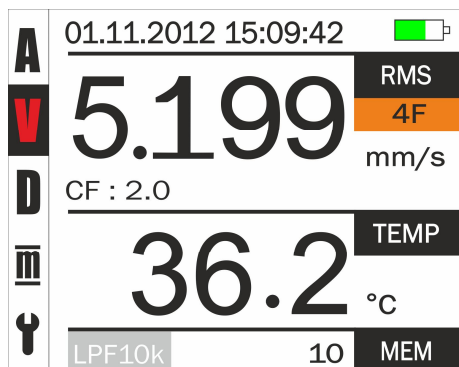
## Carrying case



## Dimensions



## VM220 colour display



### Units

Acceleration	g, m/sec <sup>2</sup>
Velocity	mm/sec, in/sec
Displacement	µm, mils
Temperature	°C, °F

### 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, temperature, filter, units
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### Connections

Power/Data	USB mini-B
Headphones/AC signal	3.5mm stereo
Sensor	4 pin Lumberg

### Environmental

Operating temperature	0 to +45°C
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Storage temperature	-20 to +60°C
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### Power

Charger	100-240V/5V 1A USB with 4 adaptors
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Battery	Li-ion 3.7V
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Battery life	>12 hours
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Power status	Battery icon indicates charging, battery level
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### Dimensions

Size (L x W x H)	133 x 78 x 28mm
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### Accessories

MTN/VM220	Vibration meter
MTN/2100-X	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/HB039	Handbook