

MachineryMate™ handheld vibration meter MAC200



Key features

- Built-in ISO alarms
- Easily identify bearing problems with BDU reading
- 100 and 800 line FFT spectrum
- Ruggedized IP67 case
- Full color OLED display
- High performance accelerometer with stinger

Meggitt's handheld vibration meter helps find machine faults before they impact operation or cause catastrophic failures. The MAC200 can increase productivity and lower maintenance costs by identifying vibration problems and bearing conditions in early and late stages of failure. The simple, easy to use meter records, analyzes and displays vibration signals and comes with built-in band filters for unbalance, misalignment, and looseness. The low Hertz range allows readings on machinery running as slow as 120 RPM.

The meter assists in condition monitoring for industries including commercial and industrial HVAC, food processing, packing, petrochemical, pulp and paper, power plants and utilities. The MAC200 is a cost effective tool with high level functionality and capability for a comprehensive picture of machinery health.

Certifications



Meggitt Sensing Systems

Our energy product competencies and services

Machinery protection | Condition monitoring | Integrated performance monitoring | Partial discharge monitoring | Sensors for extreme environments
Ignition systems | Flame detection and analysis | [Industrial monitoring solutions](#) | Nuclear products

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extreme environments

MachineryMate™ handheld vibration meter MAC200

Specifications

	English	Metric
Size	7.95" x 2.36 x 1"	20 x 6 x 2.6 cm
Weight, not including magnet	9.8 oz	280 g
Environmental		
Water	IP 67 waterproof	IP 67 waterproof
Operating temperature	+32 to +122° F	0 to +50° C
Storage temperature	-4 to +158° F	-20 to +70° C
Power supply	2x AA batteries	2x AA batteries
Battery life	50 hours normal use	50 hours normal use
Frequency ranges	ISO 120 - 60,000 CPM BDU 60 - 900,000	2 Hz - 1 kHz 1 - 15 kHz
Max frequency resolution	1.25 Hz at 800 lines FFT setting	1.25 Hz at 800 lines FFT setting
Displayed amplitude units		
Acceleration	g	g
Bearing damage	BDU	BDU
Velocity	in/sec	mm/sec
Displayed frequency units	Hz	CPM or RPM
Input range	±50 g	490 m/sec ²
Dynamic range, 0.01 g resolution	72 dB	72 dB
VA bands	Auto set-up	Auto set-up
Accelerometer connection	internal sensor	internal sensor
Display	OLED full color, high contrast	OLED full color, high contrast
Selectable languages	English (default), Spanish, Portuguese, French, Italian, Turkish, Chinese, Japanese and Korean	

Accessories supplied: MAC002 protective boot with magnets, MAC003 carrying case with inserts. extended stinger

Note: Due to continuous process improvement, specifications are subject to change without notice.

This document is cleared for public release.

Contact

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