

Model 200M Metric Vibration Meter

Features:

Model 200M (Metric) measures overall vibration amplitude in Metric units in the range of 180 to 120,000 RPMs on rotating machinery. Applications include checking vibration conditions on bearings, motors, fans and pumps. The portable, battery-operated, hand-held Meter features a rugged, heavy-duty pickup for measuring vibration Displacement, Velocity and Acceleration. The Meter includes a 1.8 m coil-cord cable, a 17.5 cm probe extension and a magnetic base for the Pickup.

Model 200M Metric Kit Includes:

Meter with Battery, Cable and 158 Pickup (shown)
Magnetic Base
Probe Tip
Carrying Case
Manual and Calibration Certificate
"B" Book Guide to Vibration Measurement



Specifications:

AMPLITUDE METER RANGE:

Displacement: 0.001 to 1999 micrometer (μm) (peak-peak)
Velocity: 0.001 to 1999 millimeter/second (mm/sec) (peak)
Acceleration: 0.001 to 1999 g's (peak)

Very Low Range reads directly in:

Displacement: nanometers = $.001\mu\text{m}$ (peak-peak)
Velocity: micrometers per second = $\mu\text{m}/\text{sec}$ (peak)
Acceleration: $.001\text{ g's}$ = milli g's (peak)

RANGE: 4 selectable Ranges with over-range indication usable for each range

High 2000 = 200 to 1999
Medium 200 = 20.0 to 199.0
Low 20 = 2.00 to 19.00
Very Low Range = 200 to 1999

SENSITIVITY:

Displacement: 0.0254 μm
Velocity: 0.02 mm/sec
Acceleration: 0.001 g

ACCURACY: 5% of Full Scale

FREQUENCY RANGE:

180 to +120,000 rpm (3 to +2000 Hz)
using Model 158 Pickup

DISPLAY: 3 1/2 digit, numeric LCD and Low Battery indicator; 3/4" characters

INPUT: Model 158 Vibration Velocity Pickup

OUTPUT: Signal for Headphones; 1/8" Mono jack

CONTROLS: Dedicated-function pushbuttons

POWER: One standard 9-volt alkaline battery

OPERATING TEMPERATURE: 32° to 122°F (0° to 50°C)

ENVIRONMENTAL: Relative humidity 0-95% non-condensing

DIMENSIONS:

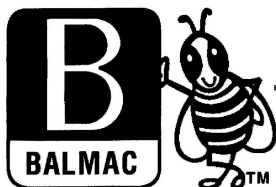
Model 200M 19 x 10 x 4 cm

Carrying Case 34 x 26 x 11 cm

WEIGHT:

Meter & Accessories 2.3 kg

Meter, Pickup & Cable 0.9 kg



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