

Model 200 Vibration Meter

Features:

Model 200 measures overall vibration amplitude in English units in the range of 180 to 200,000 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 6' coil-cord cable, a 7" probe extension and a magnetic base for the Pickup.

Model 200 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
Vibration Severity Wallet Card



Specifications:

AMPLITUDE METER RANGE:

Displacement: 0.001 to 199 mils (peak-peak)
Velocity: 0.001 to 199 in/sec (peak)
Acceleration: 0.001 to 199 g's (peak)

Very Low Range reads directly in:

Displacement: micro inches = .001 mils (peak-peak)
Velocity: inches = .001 in/sec (peak)
Acceleration: .001 g's = milli g's (peak)

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

High 200 = 20.0 to 199.9
Medium 20 = 2.00 to 19.99
Low 2 = .020 to 1.999
Very Low Range = 20.0 to 199.9

SENSITIVITY:

Displacement: 0.000001 inch (0.001 mil) (1 micro-inch)
Velocity: 0.001 inch/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 (with 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:

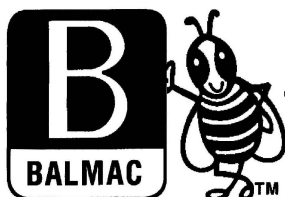
Model 200 7.67" H x 3.97" W x 1.73" D

Carrying Case 13.5" H x 10.5" W x 4.5" D

WEIGHT:

Meter & Accessories 5 lbs

Meter, Pickup & Cable 2 lbs



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