

Model 205 Vibration Meter

Features:

Model 205 measures overall vibration amplitude in English units in the range of 60 to 420,000 RPMs on rotating machinery. Applications include checking vibration conditions on bearings, motors, fans and pumps. The portable, battery-operated, hand-held Meter features a standard 100 mV/g Accelerometer for measuring vibration Displacement, Velocity and Acceleration. The Meter includes a 5' straight pickup cable, a 7" probe extension and a magnetic base for the Pickup

Model 205 Kit Includes:

Meter with Battery, Cable and 100 mV/g Pickup (shown)
Magnetic Base
Probe Tip (1/4-28 Mounting Stud)
Carrying Case
Manual and Calibration Certificates
"B" Book Guide to Vibration Measurement



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: 0.001 in/sec (peak)
Acceleration: .001 g's = milli g's (peak)

RANGE: 4 selectable with over-range indication

High 200 = 20.0 to 199.9
Medium 20 = 2.00 to 19.99
Low 2 = .020 to 1.999
VLR 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: 26 to 420,000 rpm (1 to 7000 Hz) using Model 601 Pickup

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

INPUT: Industrial ICP Accelerometer (100 mV/g)
Acceleration Range 80 g peak

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

CONTROLS: Dedicated-function pushbuttons

POWER: 4 Size AA Alkaline batteries

OPERATING

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

ENVIRONMENTAL: Relative humidity 0-95% non-condensing

DIMENSIONS:

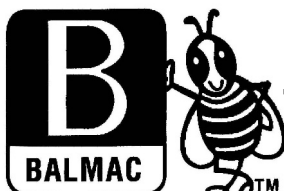
Model 205 7.67" H x 3.97" W x 1.73" D

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

WEIGHT:

Meter & Accessories 5 lbs

Meter & Pickup with Cable 2 lbs



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