

Model 205 Vibration Meter

Features:

Model 205 measures overall vibration amplitude in English units in the range of 26 to 300,000 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)

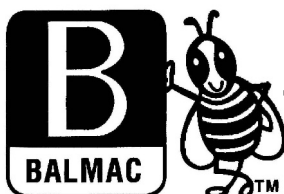
RANGE: 4 selectable Ranges with over-range indication usable for each range

High 200 = 20.0 to 199.9
Medium 20 = 2.00 to 19.99
Low 2 = .020 to 1.999
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 300,000 rpm (0.4 to +5000 Hz) using Model 601 Pickup
DISPLAY: 3 ½ digit, numeric LCD (with Low Battery indicator); 3/4" characters
INPUT: Industrial ICP Accelerometer (100 mV/g)
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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