

Model 205 Vibration Meter

Model 205M Metric Vibration Meter

Features:

Model 205 Vibration Meter and 205M (Metric) measures overall vibration amplitude 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 and a magnetic base attachment for the Transducer.

Model 205 Kit Includes:

Meter, Cable and Transducer (shown)
Magnetic Base Clamp, 7" Probe Tip
Carrying Case
Manual and Calibration Certificates
"B" Book Guide to Vibration Measurement
Vibration Severity Wallet Card



Specifications:

AMPLITUDE METER RANGE:

English: 0.001 to 199 mils (peak-to-peak) Displacement
0.001 to 199 in/sec (peak) Velocity
0.001 to 199 g's (peak) Acceleration
Note: Very low Range in units of 0.001 g's, 0.001 in/sec, & micro-inches
Metric: (205M) Displacement micrometers (μm) peak-to-peak
Velocity millimeters-per-second (mm/s) peak
RANGE: Four selectable ranges with over-range indication for each range

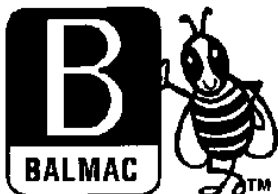
	English (Usable)	Metric (Usable)
High	200 = 20.0 to 199.9	2000 = 200 to 1999
Medium	20 = 2.00 to 19.99	200 = 20.0 to 199
Low	2 = .020 to 1.999	20 = 2.00 to 19
VLR	20.0 to 199.9	20.0 to 199.9

Note: Very Low Range in units of 0.001 g's, 0.001 in/sec, & micro-inches

SENSITIVITY:

Displacement: 0.000001 inch (0.001 mil) (1 micro-inch) (0.0254 μm)
Velocity: 0.001 inch/sec (0.02 mm/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 1/2 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 for all measurements
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 (19 x 10 x 4 cm)
Carrying Case 13.5" H x 10.5" W x 4.5" D (34 x 26 x 11 cm)
WEIGHT:
Unit & standard accessories 5 lbs (2.3 kg)
Unit & pickup 2 lbs (<1 kg)



BALMAC INC.
8205 Estates Pkwy, Ste N
Plain City, OH 43064-8080 USA

614-873-8222 Fax 614-873-2519
sales@balmacinc.com

www.balmacinc.com