

Model 230 Vibration Meter

Model 230M Metric Vibration Meter

Features:

Model 230 Vibration Meter and 230M (Metric) measures and stores overall vibration amplitude. Measurements are stored in an internal memory for later recall and recording. The portable, battery-operated, hand-held meter features a 100 mV/g ICP Accelerometer for measuring vibration Velocity, Displacement and Acceleration. It features Automatic Amplitude Scaling, Auto Power Off and a large, easy-to-read backlit Display viewable in direct sunlight or low light locations.

Model 230 & 230M Kit Includes:

- Meter with Batteries, 5' Cable, ICP Accelerometer
- Magnetic Base
- 7" Probe Tip
- Carrying Case
- Manual and Calibration Certificate
- "B" Book Guide to Vibration Measurement
- Vibration Severity Wallet Card

Specifications:

AMPLITUDE METER RANGE:

- 0.015 to 199.9 mils (peak-to-peak) Displacement
- 0.001 to 199.9 in/sec (peak) Velocity
- 0.001 to 199.9 g's (peak) Acceleration

Metric: (230M) Displacement micrometers (μm) peak-to-peak
Velocity millimeters-per-second (mm/sec) peak

RANGE: Automatic Scaling Over 3 Ranges

	English (Usable)	Metric (Usable)
High:	200 = 20.0 to 199.9	2000 = 199.9 to 1999
Medium:	20 = 2.00 to 19.99	200 = 19.99 to 199.9
Low:	2 = 0.015 to 1.999	20 = 01.99 to 19.99

SENSITIVITY:

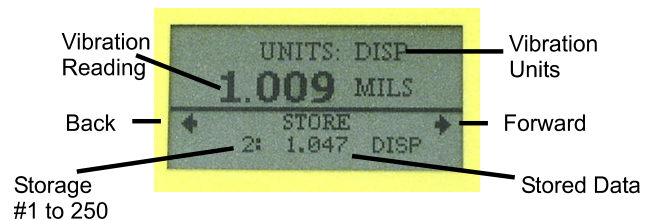
- Displacement: 0.000015 inch (0.015 mil) (15 micro-inch)
- Velocity: 0.001 inch/sec
- Acceleration: 0.001 g

ACCURACY: 5% of Full Scale

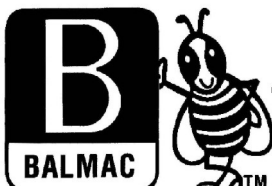
FREQUENCY

- RANGE: $\pm 5\%$ = 180 to 480,000 RPM (3 to 7,000 Hz)
- ± 3 dB = 24 to 840,000 RPM (0.4 to 14,000 Hz)

- DISPLAY: Graphic LCD with Low Battery indicator
- INPUT: Industrial ICP Accelerometer (100 mV/g)
- OUTPUT: Signal for Headphones 1/8" Mono jack
- CONTROLS: Sealed 6 Button Keypad



- POWER: 4 x AA Alkaline Batteries
- OPERATING TEMPERATURE: 32° to 122°F (0° to 50°C)
- ENVIRONMENT: Relative Humidity 0-90% Non-Condensing
- DIMENSIONS: Model 230 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: Meter and Accessories 5 lbs (2.3 kg)
Meter and pickup 1.25 lbs (0.6 kg)



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