

Model 235 Vibration Meter

Features:

Model 235 measures overall vibration amplitude in the range of 180 to 480,000 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 Pickup.

Model 235 Kit Includes:

Meter with Batteries, Cable and 601 Pickup (shown)
Magnetic Base
Probe Tip
Carrying Case
Manual and Calibration Certificates
"B" Book Guide to Vibration Measurement



Specifications:

AMPLITUDE METER RANGE:

Displacement: 0.1 to 399.9 mils (peak-peak)
Velocity: 0.001 to 399.9 in/sec (peak)
Acceleration: 0.001 to 399.9 g's (peak)

RANGE: Automatic Scaling Over 3 Ranges

| | |
|--------|-----|
| High | 400 |
| Medium | 20 |
| Low | 2 |

SENSITIVITY:

| | |
|---------------|--|
| Displacement: | 0.000001 inch (0.001 mil) (1 micro-inch) |
| Velocity: | 0.001 inch |
| Acceleration: | 0.001 g |

ACCURACY: 5% of Full Scale

FREQUENCY

| | |
|--------|--|
| RANGE: | $\pm 10\%$ = 180 to 480,000 RPM (3 to 8000 Hz) |
| | ± 3 dB = 90 to 720,000 RPM (1.5 to 12,000 Hz) |

DISPLAY: Graphic LCD with Low Battery indicator

INPUT: Industrial ICP Accelerometer (100 mV/g)

CONTROLS: Sealed 4 Button Keypad

POWER: 4 Size AA Alkaline batteries

OPERATING

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

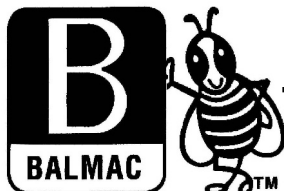
ENVIRONMENTAL: Relative humidity 0-90% non-condensing

DIMENSIONS:

| | |
|---------------|----------------------------|
| Model 235 | 3.6" W x 5.7" W x 1.65" D |
| Carrying Case | 13.5" H x 10.5" W x 4.5" D |

WEIGHT:

| | |
|-------------------------|---------|
| Meter and Accessories | 3.6 lb |
| Meter, Pickup and Cable | 1.13 lb |



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