

## Model 235M Metric Vibration Meter

### Features:

Model 235M (Metric) measures overall vibration amplitude in Metric units 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 1.5 m straight pickup cable and a magnetic base attachment for the Pickup.

### Model 235M Metric Kit Includes:

Meter with Battery, 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 (METRIC):

Displacement: 0.4 to 3999 micrometer ( $\mu\text{m}$ ) (peak-peak)  
Velocity: 0.02 to 3999 millimeter/second (mm/sec) (peak)  
Acceleration: 0.01 to 3999 g's (peak)

#### RANGE: Automatic Scaling Over 3 Ranges

High	4000
Medium	200
Low	20

#### SENSITIVITY:

Displacement:	0.0254 $\mu\text{m}$
Velocity:	0.0254 mm/sec
Acceleration:	0.01 g

#### ACCURACY: 5% of Full Scale

#### FREQUENCY

RANGE:	$\pm 10\%$ = 180 to 480,000 RPM (3 to 8000 Hz)
	$\pm 3$ 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)

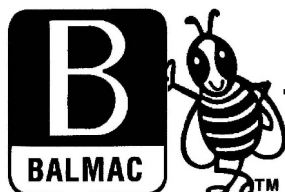
ENVIRONMENTAL: Relative humidity 0-90% non-condensing

#### DIMENSIONS:

Model 235M	14.5cm x 9cm x 4cm
Carrying Case	34cm x 26cm x 11cm

#### WEIGHT:

Meter and Accessories	2.3 kilograms
Meter, Pickup and Cable	907 grams



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

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

[balmacinc.com](http://balmacinc.com)