

Model 230M Metric Vibration Meter

Features:

Model 230M (Metric) measures and stores overall vibration amplitude in Metric units. Measurements are stored in an internal memory for later recall and recording. The portable, battery-operated, hand-held meter features a 100 mV/g 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. The Meter includes a 1.5 m straight pickup cable and a magnetic base attachment for the Vibration Pickup.

Model 230M Metric Kit Includes:

Meter with Batteries, Cable and 601 Pickup
Magnetic Base
Probe Tip (1/4-28 Mounting Stud)
Carrying Case
Manual and Calibration Certificate
"B" Book Guide to Vibration Measurement



Specifications:

AMPLITUDE METER RANGE (METRIC):

Displacement: 0.4 to 1999 micrometers (μm) (peak-peak)
Velocity: 0.02 to 1999 millimeters/sec (mm/sec) (peak)
Acceleration: 0.01 to 1999 g's (peak)

RANGE: Automatic Scaling Over 3 Ranges

High: 2000
Medium: 200
Low: 20

SENSITIVITY:

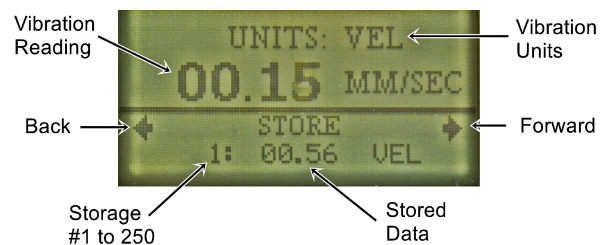
Displacement: 0.02 μm
Velocity: 0.02 mm/sec
Acceleration: 0.01 g

ACCURACY: 5% of Full Scale

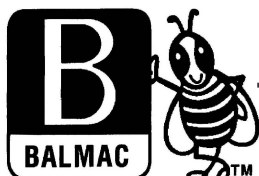
PICKUP FREQUENCY RESPONSE:

60 to 420,000 RPM
(1 to 7,000 Hz)

DISPLAY: Graphic LCD with Low Battery indicator
INPUT: Industrial ICP Accelerometer (100 mV/g)
Acceleration Range 80 g peak



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 19cm H x 10cm W x 4cm D
Carrying Case 34cm H x 26cm W x 11cm D
WEIGHT:
Meter and Accessories 2.3 kg
Meter and pickup 0.6 kg



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