



## Model 242 Pocket Vibration Meter

### Features:

Model 242 Pocket Vibration Meter is a small, portable vibration meter for checking vibration on all types of rotating machinery such as fans, motors, pumps, gearboxes, compressors, conveyors and other equipment operating from 180 to 60,000 RPMs. The 242 has three ranges (0-2, 0-20 and 0-200) and three modes of measurement (Displacement, Velocity and Acceleration). The Meter and Vibration Sensor are contained in the single, hand-held, high impact polystyrene unit.

### Model 242 Kit Includes:

Meter (shown)  
Carrying Case  
Manual and Calibration Certificates  
"B" Book Guide to Vibration Measurement  
Vibration Severity Wallet Card



### Specifications:

#### AMPLITUDE METER RANGE:

English: 2, 20, 200 mils (peak-to-peak) Displacement  
2, 20, 200 in/sec (peak) Velocity  
2, 20, 200 g's (peak) Acceleration

#### USABLE RANGES:

	2.0	20.00	200.0
Vel	.02 - 1.999	2.0 - 19.99	20.0 - 199.9
Dis	.10 - 1.999	2.0 - 19.99	20.0 - 199.9
Acc	.02 - 1.999	2.0 - 19.99	20.0 - 199.9

ACCURACY: 5% of Full Scale

#### FREQUENCY

RANGE: 180 to 60,000 rpm (3 to +1000 Hz)

DISPLAY: 3 1/2 digit, numeric LCD  
(with Low Battery indicator)

CONTROLS: dedicated-function pushbutton  
for all measurements

POWER: 9-volt Alkaline battery

#### TEMPERATURE

RANGE: 32° to 122°F (0° to 50°C)

ENVIRONMENTAL: Relative humidity 0-95% non-condensing

#### DIMENSIONS:

Unit 6" H x 3.25" W x 1.0" D  
(15 x 8 x 2.54 cm)  
Carrying Case 9.5" H x 6.5" W x 2.5" D  
(24 x 17 x 6 cm)

#### WEIGHT:

Unit 10 oz (0.28 kg)



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