

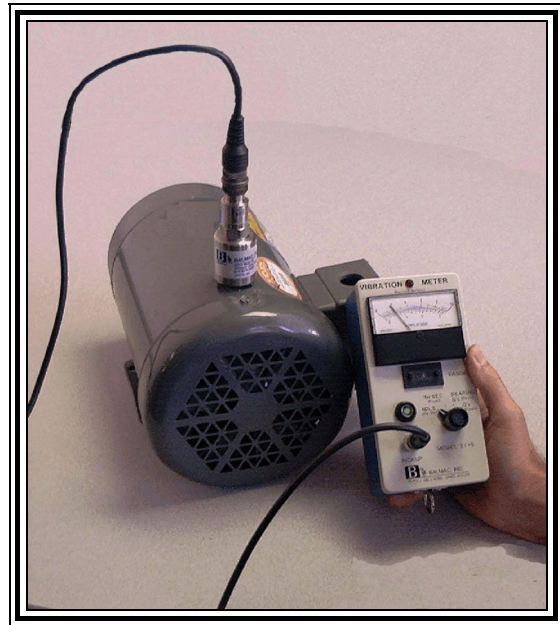
# Model 211-S-100 Vibration Meter Model 211-SM-100 Metric Vibration Meter

## Features:

Model 211-S-100 Vibration Meter and 211-SM-100 (Metric) measures bearing vibration amplitude in all types of rotating machinery. Applications include fans, motors, pumps, gearboxes, compressors, conveyors and other equipment operating from 180 to 600,000 RPMs. The unique Bearing G's circuitry is a high pass filter that allows operators to measure vibration at high frequencies to detect bearing defects. The Meter includes a 5' straight pickup cable and a magnetic base attachment for the Transducer.

## Model 211-S-100 Kit Includes:

Meter, Cable and Transducer (shown)  
Magnetic Base Clamp  
Carrying Case  
Manual and Calibration Certificates  
"B" Book Guide to Vibration Measurement  
Vibration Severity Wallet Card



## Specifications:

### AMPLITUDE METER RANGE:

English: 0.03, 0.1, 0.3, 1, 3, 10, 30, 100 mils (peak-to-peak) Displacement, in/sec (peak) Velocity and g's (peak) Acceleration  
Metric: (211M) 1, 3, 10, 30, 100, 300, 1000, 3000  $\mu$ m (peak-to-peak) Displacement, mm/sec (peak) Velocity and g's (peak) Acceleration

### SENSITIVITY:

Displacement: 0.000001 inch (0.001 mil) (1 micro-inch) (0.0254  $\mu$ m)

Velocity: 0.001 inch/sec (0.02 mm/sec)

Acceleration: 0.001 g

ACCURACY: 5% of Full Scale (+/-2.5%)

### FREQUENCY

RANGE: 180 to 600,000 rpm (3 to +10,000 Hz)

DISPLAY: Amplitude Meter (Analog) 2 Scales  
(0 to 10 Full Scale Top and  
0 to 3 Full Scale Bottom)

### INPUT:

### CONTROLS:

Accelerometer (100 mV/g)  
Pushbutton Power and Range  
Switches, 4-position Pot Function  
Switch

### POWER:

### TEMPERATURE

### RANGE:

### ENVIRONMENTAL:

(3) 9-volt Alkaline batteries

32° to 122°F (0° to 50°C)

Relative humidity 0-95% non-  
condensing

### DIMENSIONS:

### Unit and accessories

### Carrying Case

7" H x 3.5" W x 3.125" D  
(17.8 x 8.9 x 7.9 cm)

13.5" H x 10.5" W x 4.5" D  
(34.3 x 26.7 x 11.4 cm)

### WEIGHT:

### Unit and accessories

### Unit & pickup

4.5 lbs (2 kg)

2 lbs (0.9 kg)



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