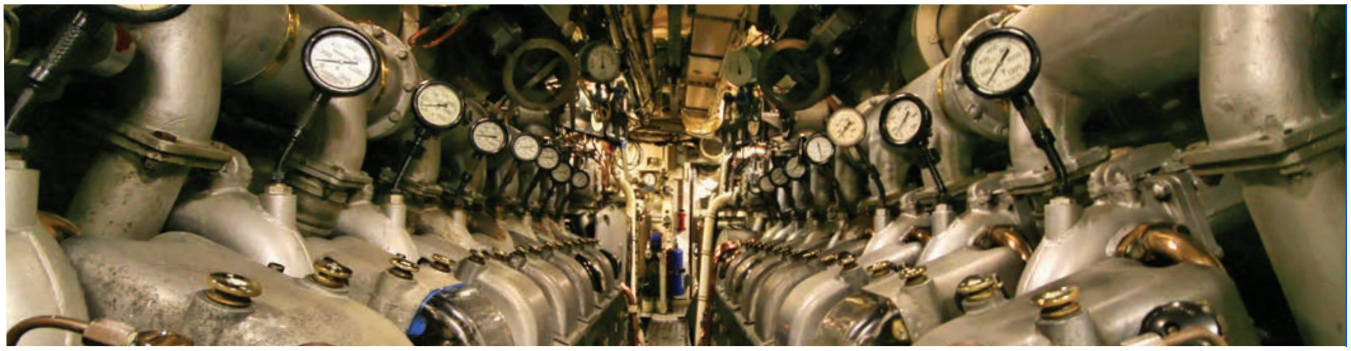
IMI SENSORS
A PCB DIVISION



MODEL **687A02**

HANDHELD VIBRATION METER

- Measures velocity and acceleration
- Complies with ISO 2954 and ISO 10816 standards
- Measures vibration severity
- Verifies sensor bias voltage
- Troubleshoots permanently installed sensors and cables

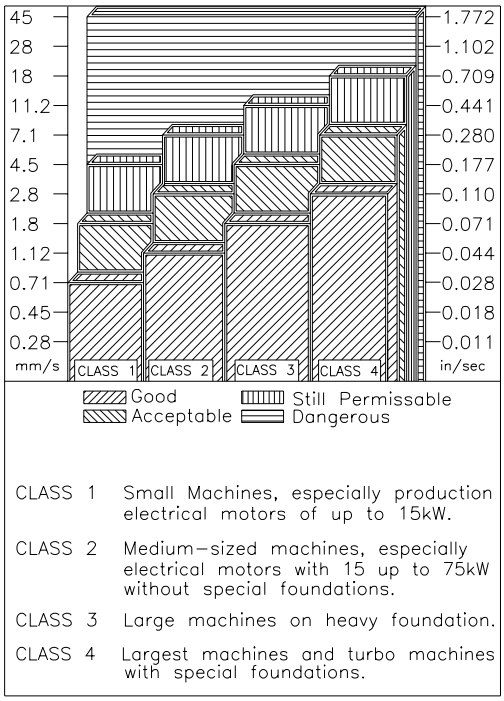
CONVENIENTLY MEASURES VIBRATION LEVELS OF INDUSTRIAL MACHINERY

The Handheld Vibration Meter puts predictive maintenance into the hands of machinery operators. Simple enough to use with minimal staff training, it conveniently measures the vibration levels of bearings, gears, and spindles for predictive maintenance requirements.

The portable, lightweight, battery powered meter provides both overall acceleration and velocity measurements. The unit is ideal for measuring the vibration severity of fans, motors, and pumps, and is also useful for verifying the DC bias voltage of industrial accelerometers for troubleshooting permanently installed sensors and cables.

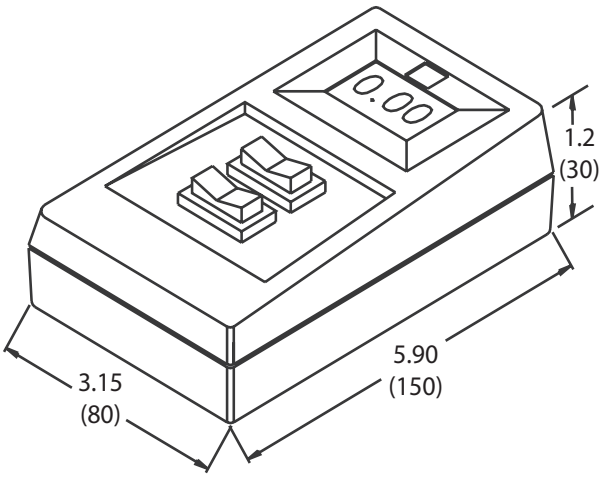
The meter is also part of a kit (Model 687A01) that include a Model 603C01 industrial ICP accelerometer, 6' coiled cable assembly (Model 050BQ006AC), high-strength curved surface magnet (Model 080A131) and headphones for audible monitoring (Model 070A47).

SPECIFICATIONS	
Model	**687A02**
Performance	
Measurement Range (Velocity)	0.001 to 1.999 ips RMS 0.03 to 50.8 mm/s RMS
Measurement Range (Acceleration)	0.01 to 19.99 g RMS 0.1 to 196.0 m/s2 RMS
Frequency Response (Velocity, + 10%, -20%)	10 to 1000 Hz
Frequency Response (Acceleration, +/-3 dB)	50 to 50000 Hz
Resolution	+/-2 counts
Accuracy	+/-3%
Environmental	
Operating Temperature Range	+32 to +122 F 0 to +50 C
Electrical	
Power	One 9 V Alkaline Battery
Excitation Voltage (Delivered to Sensor)	23 to 25 VDC
Constant Current Excitation (Delivered to Sensor)	1.4 to 2.6 mA
DC Bias Voltage	0.00 to 19.99 VDC
Battery Life	10 hours
Physical	
Electrical Connector (Sensor Input)	BNC Jack
Electrical Connector	1/8" Stereo Jack
Weight	0.569 lb 258 g



ISO 10816 Severity Chart

(Provided on the back of each meter)



IMI SENSORS
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3425 Walden Avenue, Depew, NY 14043 USA

pcb.com/imi-sensors | imi@pcb.com | 800 959 4464 | +1 716 684 0003