



## Models HHM-101 Hand Held Meter

**FEATURES:**

- Affordable price
- Internal oscillator to test connections
- BOV measurement, linear from ground to supply
- Sensor condition LED indicator: Normal, Short, Open
- Low battery LED indicator
- Internal power supply can be used to power sensors
- Protective carrying case

**SPECIFICATIONS**

**ELECTRICAL**

Battery .....	9V alkaline recommended
Battery Life .....	20-40 hours*
Low Battery Warning .....	Flashes red @ 7 Vdc battery voltage
Low Battery Operation Time .....	6 hours
Input Connector .....	BNC
Oscillator Output .....	80 Hz ± 10% @ 100mVPk ± 10%
Sensor Supply Voltage .....	21Vdc ± 10%
Sensor Supply Current .....	2 mA

**ENVIRONMENTAL**

Temperature Range (Operating) .....	0°C - 54°C
Temperature Range (Storage) .....	-10°C - 54°C

**PHYSICAL**

Size .....	6.2" x 3.35"
Weight (battery included) .....	222 grams

\*Hours of battery life is conditional to combination of options used.

**ACCESSORIES SUPPLIED:** 9V battery, BNC "T" Connector, BNC-BNC cable, BNC-MIL-3106 cable, MIL-3106-MIL-3106 cable.

**OPTIONS:** 9V wall adapter power supply.

**Troubleshooting with BOV Readings**

BOV	LED	Fault Condition	Action
0V	Short/Yellow	No power or cable/connector short	<ul style="list-style-type: none"> <li>• Test/turn on power</li> <li>• Test cable isolation</li> <li>• Repair/replace cable</li> </ul>
2.5 - 7V	Short/Yellow	Damaged sensor amplifier	<ul style="list-style-type: none"> <li>• Replace sensor</li> </ul>
5 - 7V	Short/Yellow	12 Vdc ± 2V is the standard for most accelerometers available. Verify the proper BOV for the sensor as listed on the manufacturer's Product Specification Sheet. The amplifier may be damaged.	<ul style="list-style-type: none"> <li>• If the sensor is operating in a proper BOV range, no action required</li> <li>• If a damaged amplifier is suspected, replace the sensor</li> </ul>
7 - 15V	Normal/Green	This indicates a good BOV for most accelerometers available today. Verify the proper BOV for the sensor as listed on the Manufacturer's Product Specification Sheet.	<ul style="list-style-type: none"> <li>• No action required</li> </ul>
15 - 30V	Open/Red	Reversed powering or open cable connection.	<ul style="list-style-type: none"> <li>• Reverse leads</li> <li>• Verify all connections</li> <li>• Repair or replace worn cables or connectors</li> </ul>

Reference Technical Note 14 for more details.