# Model 606M2 Accelerometer



Seat Pad Accelerometer Removable IEPE Accelerometer Whole Body Vibration 100mV/g Output ISO 10326-1 Configuration

**The Model 606M2** is an IEPE triaxial seat pad accelerometer designed specially for characterizing whole body vibration in accordance with ISO 2631-1 and ISO 8041. The seat pad incorporates a removable triaxial IEPE accelerometer with 100mV/g output sensitivity. The model 606M2 is designed for low frequency measurements with a measurement resolution of <0.4mg. A detachable 10ft cable is includes with three BNC connectors for simple interface.

#### dimensions



### **FEATURES**

- Three Independent Circuits
- IEPE Interface
- ±50g Dynamic Range
- High Over-Range Protection
- 0.5-1000Hz Frequency Response
- Stable Temperature Response

### **APPLICATIONS**

- Whole Body Vibration Study
- Vibration/Shock Monitoring
- Helicopter Flight Testing
- Heavy Equipment Testing
- Biodynamic Study





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## performance specifications

All values are typical at +24°C, 100Hz and 4mA excitation unless otherwise stated. Measurement Specialties reserves the right to update and change these specifications without notice. Standard product parameters are described in PSC-1003 for Plug & Play AC Accelerometers.

Parameters DYNAMIC Range (g) Sensitivity (mV/g) Frequency Response (Hz) Natural Frequency (Hz) Non-Linearity (%FSO) Transverse Sensitivity (%) Shock Limit (g)		±50 100 0.5-1000 >25000 ±1 <5 5000		Notes ±10% ±5%
$\begin{array}{l} \textbf{ELECTRICAL}\\ Compliance Voltage (Vdc)\\ Excitation Current (mA)\\ Bias Voltage (Vdc)\\ Output Impedance (\Omega)\\ Full Scale Output Voltage (V)\\ Residual Noise (g RMS)\\ Discharge Time Constant (set)\\ \end{array}$	c)	18 to 30 2 to 10 8 to 12 <100 ±5 0.0004 0.8 to 1.2		Room Temperature Broadband 1Hz to 10kHz
<b>ENVIRONMENTAL</b> Temperature Response (%) Operating Temperature (°C) Storage Temperature (°C) Humidity		<0.17%/°C -20 to +85 -20 to +85 Hermetically	/ Sealed	
PHYSICAL Case Material (Seat Pad) Case Material (Accelerometer Sensing Element Case Material Electrical Connector Weight (grams)	r)	Nitrile Rubbo Titanium Ceramic (sh Titanium 3x BNC Cor 380	er lear mode) nnectors	
Calibration supplied:	CS-LF	REQ-0010	NIST Traceable Amplitude Calibration from 1Hz to 100Hz	
Optional accessories:	161A		4-Channel PE & IEPE Signal Conditioner	

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#### ordering info

PART NUMBERING

Model Number

606M2