

# Model 606M2 Accelerometer

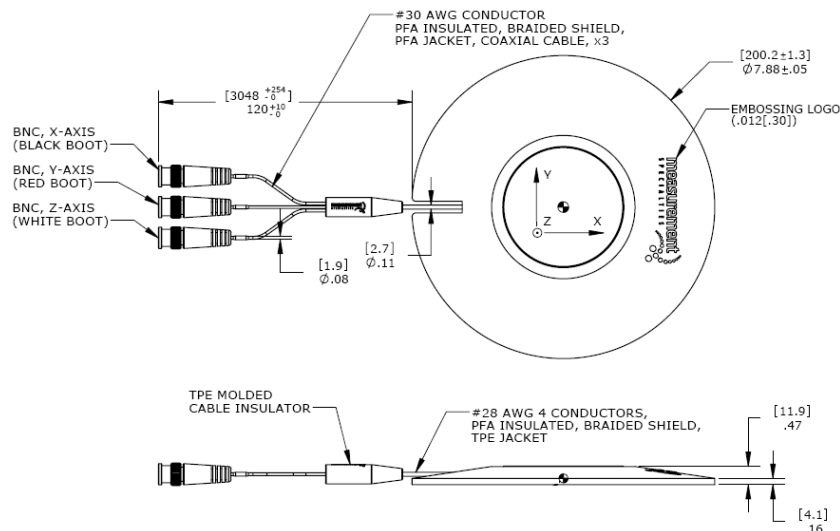


Seat Pad Accelerometer  
Removable IEPE Accelerometer  
Whole Body Vibration  
100mV/g Output  
ISO 10326-1 Configuration



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 <math><0.4\text{mg}</math>. A detachable 10ft cable is included with three BNC connectors for simple interface.

## dimensions

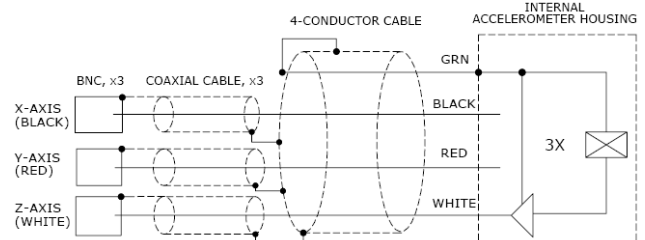


## FEATURES

- Three Independent Circuits
- IEPE Interface
- $\pm 50\text{g}$  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)	±50
Sensitivity (mV/g)	100
Frequency Response (Hz)	0.5-1000
Natural Frequency (Hz)	>25000
Non-Linearity (%FSO)	±1
Transverse Sensitivity (%)	<5
Shock Limit (g)	5000

#### Notes

±10%  
±5%

#### ELECTRICAL

Compliance Voltage (Vdc)	18 to 30
Excitation Current (mA)	2 to 10
Bias Voltage (Vdc)	8 to 12
Output Impedance (Ω)	<100
Full Scale Output Voltage (V)	±5
Residual Noise (g RMS)	0.0004
Discharge Time Constant (sec)	0.8 to 1.2

Room Temperature

Broadband 1Hz to 10kHz

#### ENVIRONMENTAL

Temperature Response (%)	<0.17%/°C
Operating Temperature (°C)	-20 to +85
Storage Temperature (°C)	-20 to +85
Humidity	Hermetically Sealed

#### PHYSICAL

Case Material (Seat Pad)	Nitrile Rubber
Case Material (Accelerometer)	Titanium
Sensing Element	Ceramic (shear mode)
Case Material	Titanium
Electrical Connector	3x BNC Connectors
Weight (grams)	350

**Calibration supplied:** CS-LFREQ-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