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## Model 64L Accelerometer

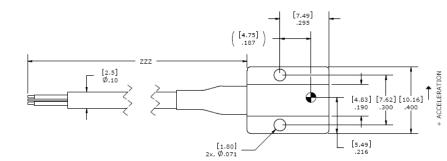
**DC Response Accelerometer** Durable Cable, Small Package **Transverse Sensitive Axis Reliable Performance** 

The Model 64L Accelerometer

is based on an advanced piezoresistive MEMS sensing element which offers exceptional dynamic range and stability. This unit features a full bridge output configuration with a temperature range from 0 to +50° C. A slight amount of internal gas damping provides outstanding shock survivability and a flat amplitude/phase response up to >4kHz. The Model 64L is compliant with SAE J211 standards for anthropomorphic dummy instrumentation.

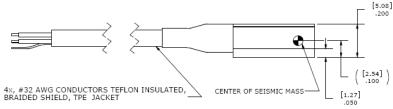


dimensions



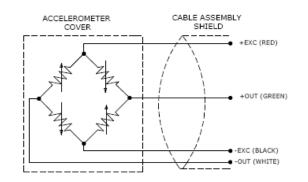
### **FEATURES**

- **3rd GEN MEMS Sensing Element**
- ± 50 to ±6,000 g Ranges
- 2-10 Vdc Excitation Voltage
- 0-50 °C Temperature Range
- High Impact Jacketed Cable
- 1% Transverse Sensitivity Option •
- <+ 25 mV Zero Offset



### **APPLICATIONS**

- Safety Crash Testing •
  - Auto
  - Truck 0
  - Recreational Vehicles
- Shock Testing





# **Model 64L Accelerometer**

### performance specifications

All values are typical at ±24°C, 100 Hz and 10 Vdc excitation unless otherwise stated. Measurement Specialties reserves the right to update and change these specifications without notice. Standard product parameters are described in PSC-1004 for Plug & Play DC Accelerometers.

Parameters <b>DYNAMIC</b> Range(g) Sensitivity (mV/g) <sup>1</sup> Frequency Response (Hz) Resonant Frequency (Hz) Damping Ratio Shock Limit (g) Non-Linearity (% of reading Transverse Sensitivity (%)	$\begin{array}{c} \pm 50 \\ 2 \\ 0-400 \\ 0-1000 \\ 0-1400 \\ 4000 \\ 0.5 \\ 10000 \\ \pm 1 \\ < 3 \end{array}$	±100 0.9 0-500 0-1200 0-1500 6000 0.5 10000 ±1 <3	±200 0.8 0-500 0-1200 0-1500 8000 0.5 10000 ±1 <3	±500 0.4 0-600 0-1400 0-2000 15000 0.3 10000 ±1 <3	±2000 0.15 0-2000 0-3500 0-4500 26000 0.05 10000 ±1 <3	±6000 0.10 0-2000 0-3500 0-4500 26000 0.05 10000 ±1 <3	Notes ± 2% ± ½dB ± 1dB Typical <1% Option
<b>ELECTRICAL</b> Zero Acceleration Output (r Excitation (Vdc) Input Resistance (Ω) Output Resistance (Ω) Insulation Resistance (MΩ) Residual Noise (μV RMS) Ground Isolation	2 to 10 2400-60 2400-60 >100 <10		ırface				<±10mV Option @50Vdc
ENVIRONMENTALThermal Zero Shift (%FSO/°C)±0.1Thermal Sensitivity Shift (%/°C)±0.1Operating Temperature (°C)-40Storage Temperature (°C)-40HumidityEpc							From 0 to +50°C From 0 to +50°C
Cable (Integral 30 Foot Cable)4x #3Weight (grams)1.0		ized Aluminum 2 AWG Conductors Teflon Insulated, Braided Shield, TPE Jacket -80 x 3/16" Socket Head Cap Screws					Cable Not Included Torque 3 lb-in
Calibration supplied:	CS-FREQ-0100 NIST Traceable Amplitude Calibration from 20Hz to ±1dB Frequency Limit				requency Limit		
Supplied accessories:	AC-A02053	2x #0-80 (3/16 length) Socket Head Cap Screw, 2x #0 Washer, 1x Allen Key					
Optional accessories: 101 140		Three Channel DC Signal Conditioner Amplifier Auto-Zero Inline Amplifier					

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#### ordering info

PART NUMBERING Model Number+Range+Excitation+Cable Length+Options	
64L-GGGG-CCCT-ZZZ	北京汇润科贸有限公司
I I IOptions	电话:+86 010 5601 8989
I I I1% Transverse Sensitivity when "T" is present. I I Cable (360 is 360 inches)	+ 86 010 5601 7979
IRange (0100 is 100 g)	传真:+86 010 5885 7266
Example: 641 -2000-360	邮箱: <u>sales@aq315.com</u>

Model 64L, 2000g, 10V Excitation, 360" (30ft) Cable, No Options.