

# DC Response Durable Cable Small Package Reliable Performance

#### The Model 64C 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 7kHz. The Model 64C is compliant with SAE J211 standards for anthropomorphic dummy instrumentation.

#### **FEATURES**

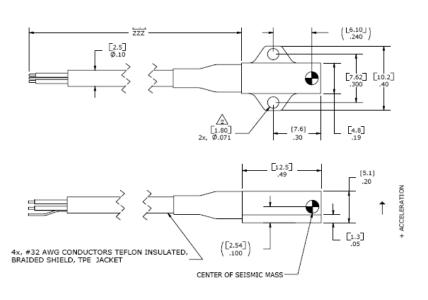
- 2<sub>nd</sub> GEN MEMS Sensing Element
- ± 50 to ±6,000 g Ranges
- 2-10 Vdc Excitation for Maximum Flexibility
- 0-50 °C Temperature Range
- High Impact Jacketed Cable
- 1% Transverse Sensitivity Available
- <± 25 mV Zero Offset</li>

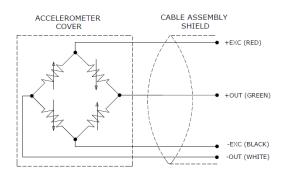
#### **APPLICATIONS**

- Safety Crash Testing
  - Auto
  - o Truck
  - Recreational Vehicles
- Shock Testing



#### dimensions





# **Model 64C 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

						Notes
±50	±100	±200	±500	±2000	±6000	
2 0-400	0.9 0-500	0.8 0-600	0.4 0-800	0.15 0-2000	0.05 0-2000	± 2%
0-1000	0-1200	0-1400	0-2000	0-5000	0-5000	± 5% ± 1 dB
4000	6000	8000	15000	26000	26000	± 1 0B
±1	±1	±1	±1	±1	±1	
±0.04	±0.04	±0.04	±0.04	±0.04	±0.04	From 0 to +50°C
±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	From 0 to +50°C
_ 10 .0	2400-5000					
>100	>100	>100		>100	>100	@50Vdc
						Isolated from mounting surface.
10000	10000	10000	10000	10000	10000	-40 to +121
Operating Temperature (°C) Humidity Epoxy Sealed, IP61						
Anodized Aluminum / Brass					4 x 32 AWG Conductors	
	1					
			1			Cable Not Included
	2 0-400 0-1000 0-1400 4000 ±1 <3 ±0.04 ±0.1	2 0.9 0-400 0-500 0-1000 0-1200 0-1400 0-1500 4000 6000 ±1 ±1 <3 <3 ±0.04 ±0.04 ±0.1 ±0.1  <±25  <±25 2 to 10 2 to 10  10000 10000	2 0.9 0.8 0-400 0-500 0-600 0-1000 0-1200 0-1400 0-1400 0-1500 0-1900 4000 6000 8000 ±1 ±1 ±1 ±1 <3 <3 <3 <3  ±0.04 ±0.04 ±0.04 ±0.04 ±0.1 ±0.1 ±0.1  <±25  <±25  <±25 2 to 10 2 to 10 2 to 10	2	2	2

Wiring color code: +EXC = Red, -EXC = Black, +OUT = Green, -OUT = White

Calibration supplied: CS-FREQ-0100 NIST Traceable Amplitude Calibration from 20Hz to ±1dB Frequency Response Limit

Optional accessories: 101 Three Channel DC Signal Conditioner Amplifier

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### ordering info

PART NUMBERING Model Number+Range+Excitation+Cable Length+Options	
PART NUMBERING Model Number+Range+Excitation+Cable Length+Options 64C-GGGG-CCCT-ZZZ	北京汇润科贸有限公司
I I IOptions	电话: +86 010 5601 8989
I I1% Transverse Sensitivity when "T" is present. I Cable (360 is 360 inches)	+86 010 5601 7979
IRange (0100 is 100 g)	传真: +86 010 5885 7266
	邮箱:sales@ag315.com

Example: 64C-2000-360

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

<sup>\*</sup>Thermal Zero Shift (TZS) and Thermal Sensitivity Shift (TSS) over temperature ((\*0°C to +50°C (32 °F to 122°F))