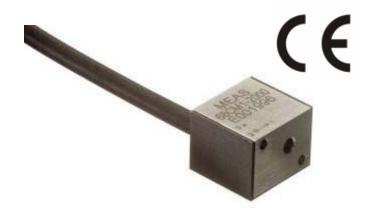
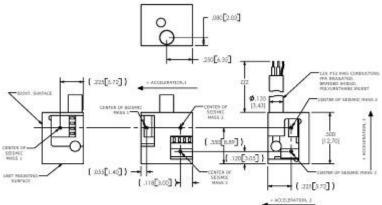
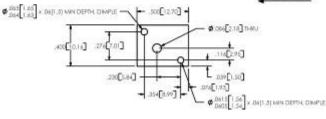
SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MA}Lpsgsg20%1%3; qore s Model 68C Accelerometer

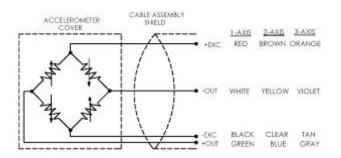
# DC response Durable Cable Reliable Performance Triaxial



#### dimensions







The Model 68C Accelerometer

is a small, compact triaxial device designed for vehicle impact and road testing. Its mechanical overload stops provide high shock protection in rugged applications. This accelerometer is compliant with J211 specifications for World Side Impact anthropomorphic dummy applications.

## **FEATURES**

- 2nd Generation MEMS Sensing
- Elements
- 2000 g Full Scale Range
- 2-10 VDC Excitation
- 0-50 °C Temperature Compensation
- <±50 mV Zero Measurand Output</li>
- Mechanical Overload Stops
- Replaceable Sensors

# **APPLICATIONS**

- Crash Testing
- Impact Testing
- Off-Road Testing
- Road Testing

32 Journey Ste. 150 Aliso Viejo, CA 92656

www.meas-spec.com SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com

949-716-5377

# 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) Frequency Response (Hz) Natural Frequency (Hz) Non-Linearity (% FSO) Transverse Sensitivity (%) Thermal Zero Shift (%FSO/°C) Thermal Sensitivity Shift (%/°C)	±500 .9 0-3000 >17,000 ±1 <3 ±0.05 ±0.1	±2000 .15 0-3000 >26,000 ±1 <3 ±0.05 ±0.1	Notes ± 5% Of Reading From 0 to +50°C From 0 to +50°C
<b>ELECTRICAL</b> Zero Acceleration Output (mV) Excitation (Vdc) Input Resistance Output Resistance (Ω) Insulation Resistance (MΩ) Ground Isolation	<±50 2 to 10 3500-4800 2400-4800 >100	<±50 2 to 10 3500-4800 2400-4800 >100	@50Vdc Isolated from Mounting Surface
<b>ENVIRONMENTAL</b> Shock Limit (g) Operating Temperature (°C)	5000 -20 to +85	10000 -20 to +85	
PHYSICAL Case Material Cable (Polyurethane Jacket) Weight (grams) Mounting (Screw)	M2x0.2, 16 mm Length, Supplied		Stainless Steel 12 x 32 AWG Conductors Torque 3 lb-in

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## ordering info

PART NUMBERING

Model Number+Range+Excitation+Cable Length

68C-GGGG-CCC

Cable (360 is 360 inches) Range (0100 is 100 g)

Example: 68C-2000-360 (68CM1 includes cover at no extra cost) Model 68C, Standard Configuration: 2000g, 360" (30ft) cable