



SM102

Side exit integral cable accelerometer

Sensitivity, ±15%	100 mV/g
Acceleration range	50 g
Amplitude nonlinearity	1%
Frequency response, ± 3 dB	0.5 - 10,000 Hz
Resonance frequency	25 kHz
Transverse sensitivity, max	7% of axial
Temperature response	see graph
Power requirement: Voltage source Current regulating diode	18 - 28 VDC 2 - 20 mA
Electrical noise, equiv. g: Broadband 1 Hz to 10 kHz Spectral 10 Hz 100 Hz 1,000 Hz	350 µg 8 µg/√Hz 5 µg/√Hz 4 µg/√Hz
Output impedance, max	150 Ω
Bias output voltage	8 to 12 VDC
Grounding	case isolated, internally shielded
Temperature range	–50° to +120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Sealing	hermetic
Enclosure rating	IP68
Sensing element design	ceramic, shear
Weight (without cable)	31 grams
Case material	stainless steel
Mounting	1/4-28 stud
Integral cabling ¹	molded connector, side exit, twisted shielded pair cable, polyurethane, 10 ft. standard length

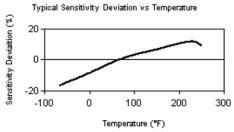




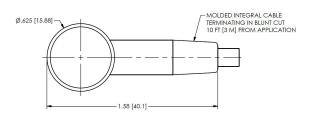
Key features

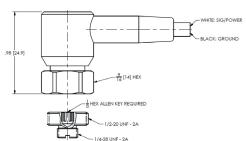
- · Low profile
- Pivoting base
- 10 ft molded integral cable

Connections	
Function	Cable conductor color
power/signal	white
ground	black



Notes: 1 Other cable lengths may be specified by customer at time of order. Accessories supplied: mounting base; calibration data (level 2)





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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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