



SM103

Accelerometer with armored integral cable

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	IP67
Sensing element design	ceramic, shear
Weight (without cable)	31 grams
Case material	stainless steel
Mounting	1/4-28 stud
Integral cabling ¹	side exit, integral cable, polyurethane with stainless steel armor jacket, 10 ft. standard length

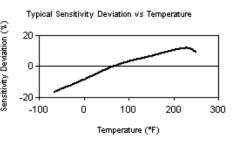




Key features

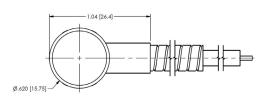
- · Low profile
- Pivoting base
- 10 ft. armored jacketed integral cable

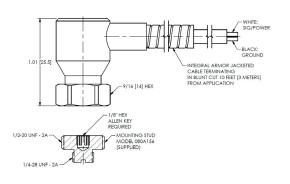
Connections		
Function	Cable conductor color	
power/signal	white	
ground	black	



Notes: ¹Other 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.

Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.

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