# High-frequency, integral cable accelerometers

### 997 series

#### **SPECIFICATIONS**

Sensitivity, ±10%, 25°C		10 mV/g
Acceleration range		600 g peak
Amplitude nonlinearity		1%
Frequency response:	±5% ±10% ±3 dB	1.5 - 20,000 Hz 1.0 - 25,000 Hz 0.5 - 29,000 Hz
Resonance frequency, mounted		>45 kHz
Transverse sensitivity, max		3% of axial
Temperature response:	–55°C –25°C +120°C	+1% –1% +8%
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g, nom Broadband 2.5 Hz Spectral	inal: to 25 kHz 10 Hz 100 Hz 1,000 Hz	1,000 μg 25 μg/√Hz 9 μg/√Hz 7 μg/√Hz
Output impedance, max		100 Ω
Bias output voltage, nominal		12 VDC
Grounding		case isolated, internally shielded
Turn-on time		<1 sec
Temperature range		–50° to +120°C
Vibration limit		1,000 g
Shock limit		5,000 g peak
Sealing		hermetic
Base strain sensitivity, max		0.0005 g/µstrain
Weight		35 grams
Case material		316L stainless steel
Mounting:	997 997-M4	8-32 captive screw M4 captive screw
Integral cabling		J10, 16 ft., Enviroprene, two- conductor shielded

Accessories supplied: Captive screw (type depends on model); calibration data (level 2) Options: Cable length

## CE

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

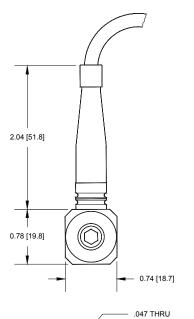
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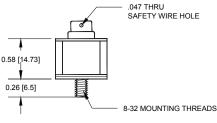


#### Key features

• Available models: 997 (8-32 captive screw) and 997-M4 (M4 captive screw)

- High amplitude range
- Manufactured in ISO 9001 facility





Connections		
Function	Cable conductor color	
power/signal	white	
common	black	
case	shield	

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