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.

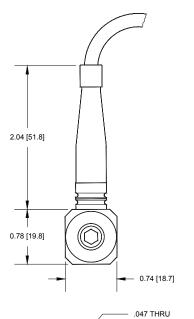
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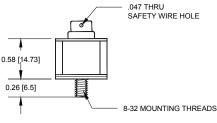


Key features

• 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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