

Underwater vibration sensor

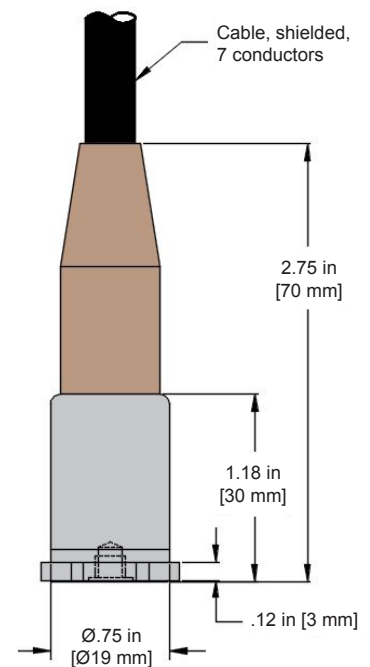
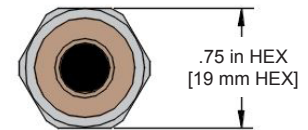
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SPECIFICATIONS

Sensitivity, $\pm 5\%$, 25°C	40 mV/g
Acceleration range	50 g peak
Amplitude nonlinearity	1%
Frequency response, ± 3 dB	1 - 10,000 Hz
Resonance frequency, mounted, nom.	20 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	
-50°C	-10%
+80°C	+4%
Power requirement, voltage source	7 - 10 VDC
Electrical noise, equiv. g, nominal:	
Broadband	2.5 Hz to 25 kHz
	75 μ g
Output impedance, max	240 Ω
Bias output voltage	3.5, ± 0.5 VDC
Grounding	case isolated
Hydrostatic pressure	7x10 ⁶ Pa
Temperature range	-50° to +80°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Base strain sensitivity	0.005 g/ μ strain
Dynamic weight	45 grams
Case material	titanium
Mounting	10-32 tapped hole, 0.12" (3 mm) minimum depth
Integral cabling	7 conductor shielded, 18 meters
Accessories supplied:	calibration data

Key features

- High pressure rating
- Wide frequency range
- Manufactured in ISO 9001 facility



Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release. Product may be subject to US export controls and restrictions under the ITAR or the EAR, please consult factory for export control status.