

Biaxial underwater accelerometer

757

SPECIFICATIONS

Sensitivity, $\pm 10\%$, 25°C	100 mV/g
Acceleration range	50 g peak
Amplitude nonlinearity	1%
Frequency response:	
Both channels, $\pm 10\%$	2 - 2,000 Hz
Transverse sensitivity, max	5% of axial
Temperature response:	
-20°C	-5%
+90°C	+5%
Power requirement:	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g, nominal:	
Broadband 2.5 Hz to 25 kHz	100 μ g
Spectral 10 Hz	10 μ g/ $\sqrt{\text{Hz}}$
100 Hz	1 μ g/ $\sqrt{\text{Hz}}$
1,000 Hz	0.5 μ g/ $\sqrt{\text{Hz}}$
Output impedance, max	100 Ω
Bias output voltage, nominal	12 VDC
Grounding	case isolated, internally shielded
Temperature range	-50° to +80°C
Hydrostatic pressure, max	650 psi
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. g	100 μ g/gauss
Base strain sensitivity	0.002 g/ μ strain
Weight	110 grams
Case material	316L stainless steel
Mounting	two 10-32 x 7/16 SHCS on 1.125 bolt circle
Recommended cabling	J81S, 10 ft., stainless steel braid

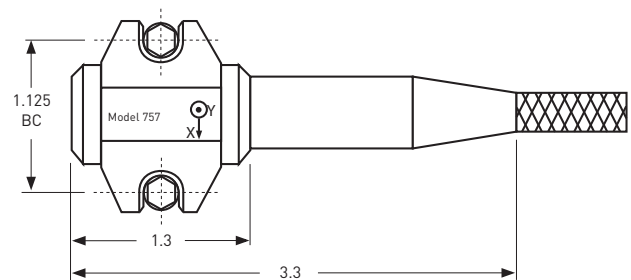
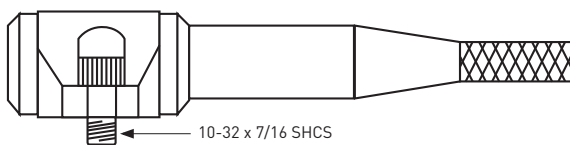
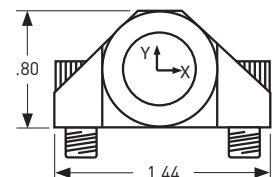


Key features

- High pressure rating
- Manufactured in ISO 9001 facility

Connections	
Function	Connector
x	white
y	black
common	shield

Accessories supplied: Calibration data; two 10-32 x 7/16 SHCS



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

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