



m/s² 757
Biaxial underwater accelerometer



SPECIFICATIONS

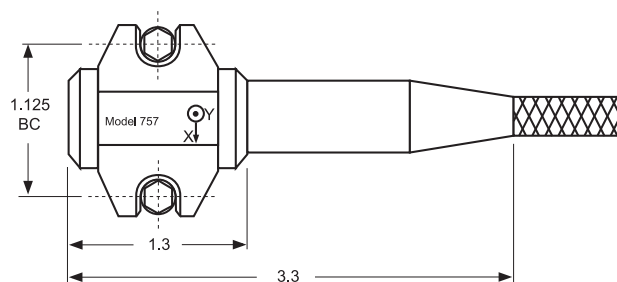
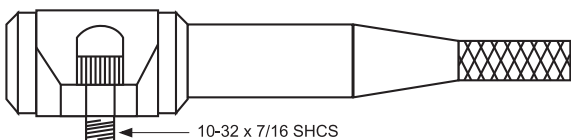
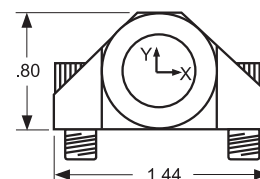
Sensitivity, ±10%, 25°C	100 mV/g	
Acceleration range	50 g peak	
Amplitude nonlinearity	1%	
Frequency response:		
Both channels, ±10%	2 - 2,000 Hz	
Transverse sensitivity, max	5% of axial	
Temperature response:	-20°C	-5%
	+90°C	+5%
Power requirement:		
Voltage source	18 - 30 VDC	
Current regulating diode	2 - 10 mA	
Electrical noise, equiv. g, nominal:		
Broadband	2.5 Hz to 25 kHz	100 µg
Spectral	10 Hz	10 µg/√Hz
	100 Hz	1 µg/√Hz
	1,000 Hz	0.5 µg/√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 µg/gauss	
Base strain sensitivity	0.002 g/µstrain	
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



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

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.

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