



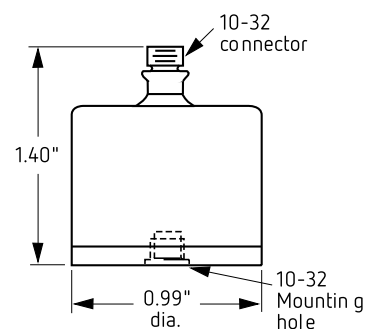
**731-207**  
Compact, ultra low-frequency accelerometer

**SPECIFICATIONS**



<b>Sensitivity, ±10%, 25°C</b>	10 V/g	
<b>Acceleration range</b>	0.5 g peak	
<b>Amplitude nonlinearity</b>	1%	
<b>Frequency response, nominal:</b>	<b>±5%</b>	0.6 - 650 Hz
	<b>±10%</b>	0.5 - 850 Hz
	<b>±3 dB</b>	0.2 - 1,300 Hz
<b>Resonance frequency, mounted, nominal</b>	2.4 kHz	
<b>Transverse sensitivity, max</b>	1% of axial	
<b>Temperature response:</b>	<b>0°C</b>	-14%
	<b>+70°C</b>	+14%
<b>Power requirement:</b>		
<b>Voltage source</b>	18 - 30 VDC	
<b>Current regulating diode</b>	2 - 10 mA	
<b>Electrical noise, equiv. g, nominal:</b>		
<b>Broadband</b>	<b>2.5 Hz to 25 kHz</b>	2 µg
<b>Spectral</b>	<b>2 Hz</b>	0.28 µg/√Hz
	<b>10 Hz</b>	0.09 µg/√Hz
	<b>100 Hz</b>	0.03 µg/√Hz
<b>Output impedance, max</b>	500 Ω	
<b>Bias output voltage, nominal</b>	10 VDC	
<b>Grounding</b>	case grounded	
<b>Temperature range</b>	0° to +70°C	
<b>Vibration limit</b>	50 g peak	
<b>Shock limit</b>	250 g peak	
<b>Electromagnetic sensitivity at 60 Hz</b>	20 µg/gauss	
<b>Sealing</b>	hermetic	
<b>Base strain sensitivity</b>	0.0005 g/µstrain	
<b>Weight</b>	50 grams	
<b>Case material</b>	316L stainless steel	
<b>Mounting</b>	10-32 UNF	
<b>Output connector</b>	10-32 coaxial	
<b>Recommended cabling</b>	J93	

- Key features**
- Ultra high sensitivity
  - Ultra low noise
  - Ideal for seismic applications
  - Manufactured in ISO 9001 facility



Accessories supplied: SF1 mounting stud; calibration data (level 3)



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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