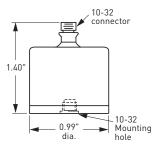


## Wilcoxon Research model 731-207 Ultra low frequency seismic accelerometer



## **Features**

- Compact construction to fit in tight spaces
- Ultra-high sensitivity
- Ultra low-noise electronics for clear signals at very low vibration levels
- Reverse wiring protection



Dynamic	
Sensitivity, ± 10%, 25° C	10 V/g
Acceleration range	0.5 g peak
Amplitude nonlinearity	1%
Frequency response, nominal:	
± 5%	
± 10%	
± 3 dB	
Resonance frequency, mounted, nominal	
Transverse sensitivity, max	1% of axial
Temperature response:	4.404
'-0° C	
+80° C	+14%
Electrical	
Power requirement:	10 20 VDC
Voltage source	10 - 30 VDC
Current regulating diode	2 - 10 MA
Electrical noise, equiv. g, nominal: Broadband 2.5 Hz to 25 kHz	2
Spectral 2 Hz	2 μg
10 Hz	0.20 µg/v п2
100 Hz	0.07 µg/V   12 0.02 µg/V   12
Output impedance, max	500 O
Bias output voltage, nominal	10 VDC
Grounding	case grounded
Orbanding	case grounded
Environmental	
Temperature range	Ω to 80° C
Vibration limit	50 g neak
Shock limit	
Electromagnetic sensitivity @ 60 Hz	3 1
Sealing Base strain sensitivity	0 0005 a/ustrain
Dase strain sensitivity	0.0003 g/μstrain
Physical	
Weight	50 a
Case material	316 stainless steel
Mounting	10-32 UNF
Output connector	10-32 coaxial
Recommended cable	

Accessories supplied: Calibration data; SF1 mounting stud Accessories available: R1-2-J93-10 cable assembly, magnetic mounting bases, SF5 cementing studs, SF4 isolation mounting base, signal conditioners

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