

AC244 Series

Premium Series, mini-MIL Accelerometer, High Frequency,
Side Exit Connector/Cable, 100 mV/g



VIBRATION ANALYSIS HARDWARE

REGULATORY APPROVALS



PRODUCT FEATURES

**Excellent Small Size, Low Profile
Industrial Accelerometer**

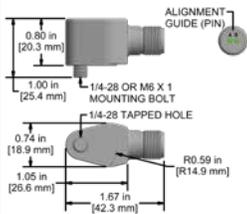
Premium Accelerometer, Great for Hard to Reach Areas

mini-MIL Must Use J2X Series Connectors



AC244-1D 2 Pin Connector

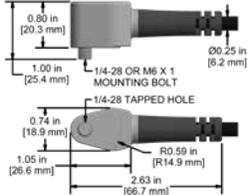
Connector Pin	Polarity
A	(+) Signal / Power
B	(-) Common



STOCK PRODUCT

AC244-2D Integral Cable

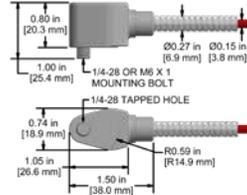
Conductor	Polarity
Red	(+) Signal / Power
Black	(-) Common
Shield	Cable Drain Wire



BUILD TO ORDER

AC244-3D Armored Integral Cable

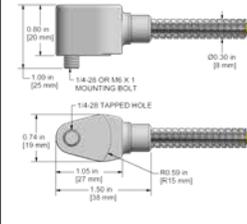
Conductor	Polarity
Red	(+) Signal / Power
Black	(-) Common
Shield	Cable Drain Wire



BUILD TO ORDER

AC244-6D Armored Integral Cable

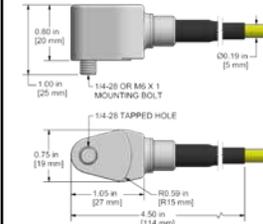
Conductor	Polarity
Red	(+) Signal / Power
Black	(-) Common
Shield	Cable Drain Wire



BUILD TO ORDER

AC244-6N Integral Cable

Conductor	Polarity
Red	(+) Signal / Power
Black	(-) Common
Shield	Cable Drain Wire



BUILD TO ORDER

Specifications	Standard	Metric
Part Number	AC244	M/AC244
Vibration		
Sensitivity (± 5 %)	100 mV/g	
Frequency Response (± 3 dB)	36 CPM to 900 kCPM	0.6 Hz to 15 kHz
Frequency Response (± 10 %)	60 CPM to 600 kCPM	1 Hz to 10 kHz
Frequency Response (± 5 %)	120 CPM to 420 kCPM	2 Hz to 7 kHz
Dynamic Range	± 50 g, peak	
Electrical		
Settling Time	< 2.5 seconds	
Voltage Source (IEPE)	18 Vdc to 30 Vdc	
Constant Current Excitation	2 mA to 10 mA	
Spectral Noise @ 10 Hz	30 µg/√Hz	
Spectral Noise @ 100 Hz	4 µg/√Hz	
Spectral Noise @ 1 kHz	2 µg/√Hz	
Output Impedance	< 100 ohm	
Bias Output Voltage	10 Vdc to 14 Vdc	
Case Isolation	> 10 ⁸ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-58°F to 250°F	-50°C to 121°C
Maximum Shock Protection	5 kg, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic (IP68)	
Submersible Depth (AC244-2D/3D)	200 ft	60 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	2.1 ounces	60 grams
Case Material	316L Stainless Steel	
Mounting	Captive Bolt	
Connector (non-integral)	2 Pin mini-MIL, J Series Connector	
Resonant Frequency	1920 kCPM	33 kHz
Mounting Torque	2 ft-lb to 5 ft-lb	2.7 N·m to 6.8 N·m
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	CA10	

TYPICAL FREQUENCY RESPONSE

