

TA174-M12

Dual Output, Temperature/Acceleration, Side Exit M12 Connector/Cable,
100 mV/g, 10 mV/K

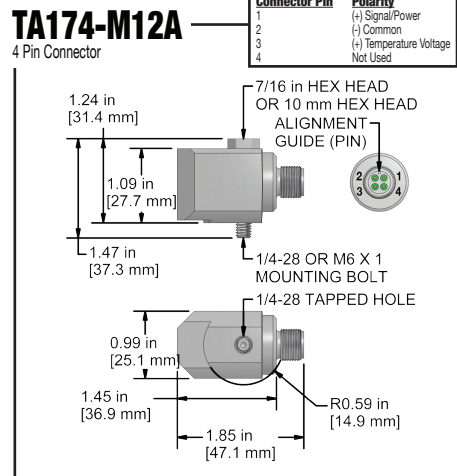
Actual Product Size Shown
CE



10 mV/K Product Features

Temperature Measurement Range of -40° to 212°F (-40° to 100°C)

- 4 Pin M12 Connection
- Requires Multi-Conductor Cable and Dual IEPE Power
- Compatible with Commtest vbOnline™ Series and Bently Nevada™ SCOUT Series Data Collectors



Specifications	Standard	Metric
Part Number	TA174-M12A	M/TA174-M12A
Vibration		
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3dB)	30-600,000 CPM	0,5-10000 Hz
Frequency Response (±10%)	120-300,000 CPM	2,0-5000 Hz
Dynamic Range	± 50 g, peak	
Temperature Measurement Range	-40° to 212° F	-40° to 100° C
Temperature Output	10 mV/K	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	14 µg/√Hz	
Spectral Noise @ 100 Hz	2.3 µg/√Hz	
Spectral Noise @ 1000 Hz	2 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10 ⁹ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-40 to 250°F	-40 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	n/a	
Sealing	Welded, Hermetic	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.6 oz	160 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	4 Pin M12	
Resonant Frequency	1,320,000 CPM	22000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	CA10	

Ordering Information

Standard	TA174-M12A (1/4-28 Captive Bolt)	
Metric	M/TA174-M12A (M6x1 Captive Bolt)	

Backed by our Unconditional Lifetime Warranty

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