

TA233 Series

Dual Output Sensor, Temperature & Acceleration, Top Exit 3 Pin Connector, 500 mV/g, 10 mV/°C, ±10%



VIBRATION ANALYSIS HARDWARE



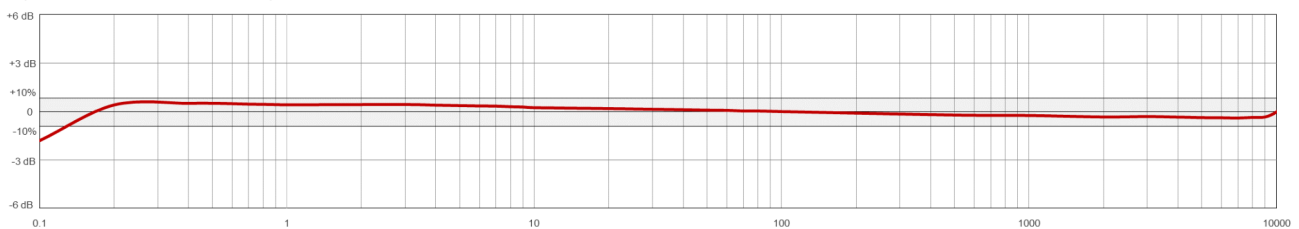
Product Features

Compatible with All Major Vibration Data Collection Systems Except Commtest vbOnline™ and GE SCOUT Series Online Systems

- ▶ Temperature Output 10 mV/°C, Acceleration Output 500 mV/g
- ▶ ±10 g, Peak Dynamic Range
- ▶ 0,1 - 10000 Hz (6 - 600,000 CPM) Frequency Response

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA233	M/TA233	Environmental		
Sensitivity (±10%)		500 mV/g	Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	6-600,000 CPM	0,1-10000 Hz	Electromagnetic Sensitivity	CE	
Frequency Response (±10%)	36-180,000 CPM	0,6-3000 Hz	Sealing	Welded, Hermetic	
Dynamic Range		± 10 g, peak	Physical		
Temperature Measurement Range	-40 to 250°F	-40 to 121°C	Sensing Element	PZT Ceramic	
Temperature Output		10 mV/°C	Sensing Structure	Shear Mode	
Temperature Sensor		750 mV = 25 °C (±1)	Weight	3.7 oz	104 grams
Electrical			Case Material	316L Stainless Steel	
Settling Time		5 Seconds	Mounting	1/4-28	
Voltage Source (IEPE)		18-30 VDC	Connector (Non-Integral)	3 Pin MIL-C-5015	
Constant Current Excitation		2-10 mA	Resonant Frequency	960,000 CPM	16000 Hz
Spectral Noise @ 10 Hz		14 µg/√Hz	Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Spectral Noise @ 100 Hz		2.3 µg/√Hz	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Spectral Noise @ 1000 Hz		2.3 µg/√Hz	Calibration Certificate	CA10	
Output Impedance		<100 ohm			
Bias Output Voltage		10-14 VDC			
Case Isolation		>10 ⁸ ohm			

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

www.ctconline.com | sales@ctconline.com | 585-924-5900