

TA256 Series



Low Cost, Low G, Dual Output Sensor, Temperature & Acceleration, Side Exit 3 Pin Connector, 500 mV/g, 10 mV/°C, ±20%

VIBRATION ANALYSIS HARDWARE

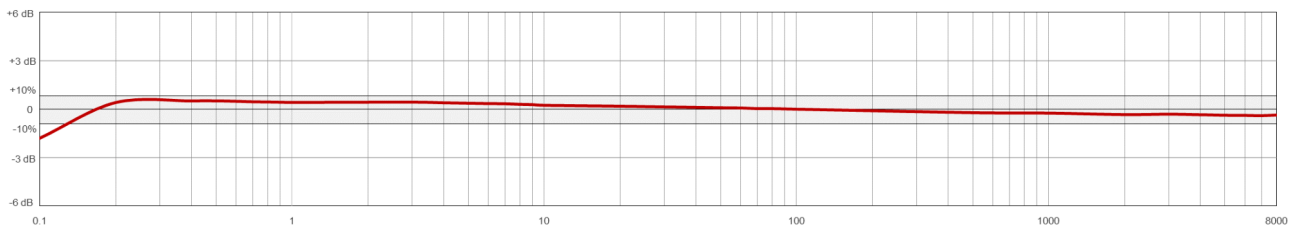


Product Features

- Temperature Output 10 mV/°C
- Acceleration Output 500 mV/g
- ▶ Standard 3 Pin MIL Connection
- ▶ Temperature and Acceleration in One Sensor
- ▶ Compatible with All Major Vibration Data Collection Systems Except Commtest vbOnline™ and GE SCOUT Series Online Systems

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA256		Environmental		
Sensitivity (±20%)		500 mV/g	Temperature Range	-40°F to 250°F	-40°C to 121°C
Frequency Response (±3dB)	6-480,000 CPM	0,1-8000 Hz	Maximum Shock Protection		5,000 g, peak
Dynamic Range		± 10 g, peak	Electromagnetic Sensitivity		CE
Temperature Measurement Range	-40°F to 250°F	-40°C to 121°C	Sealing		Welded, Hermetic
Temperature Output		10 mV/°C	Physical		
Electrical			Sensing Element		PZT Ceramic
Settling Time	<2.5 seconds		Sensing Structure		Shear Mode
Voltage Source (IEPE)	18-30 VDC		Weight	5.6 oz	160 grams
Constant Current Excitation	2-10 mA		Case Material		316L Stainless Steel
Spectral Noise @ 10 Hz	1.7 µg/√Hz		Mounting		1/4-28
Spectral Noise @ 100 Hz	.2 µg/√Hz		Connector (Non-Integral)		3 Pin MIL-C-5015
Spectral Noise @ 1000 Hz	.12 µg/√Hz		Resonant Frequency	960,000 CPM	16000 Hz
Output Impedance	<100 ohm		Mounting Torque	2 to 5 ft. lbs	2,7 to 6,8 Nm
Bias Output Voltage	10-14 VDC		Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Case Isolation	>10 ⁹ ohm		Calibration Certificate		CA10

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

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