

TA256 Series

Low Cost, Low G, Dual Output Sensor, Temperature & Acceleration,
Side Exit 3 Pin Connector, 500 mV/g, 10 mV/°C, ±15%



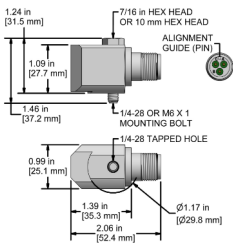
Product Features

High Performance in a Low Cost Sensor

- ▶ Temperature (10 mV/°C) and Acceleration (500 mV/g) Outputs in One Sensor via a Standard 3 Pin MIL Connection
- ▶ Popularly sold with SC300 Series Signal Conditioners with built-in Temperature Output

TA256-1A
3 Pin Connector

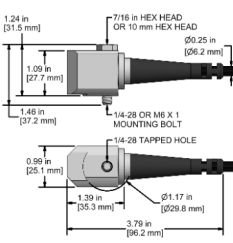
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common
C	(+) Temperature Voltage



Stock Product

TA256-2A
CB105 Integral Cable

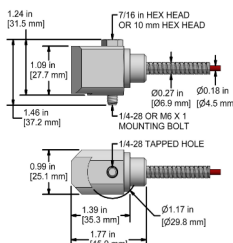
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
White	(+) Temperature Voltage
Shield	Cable Drain Wire



Built To Order

TA256-3A
CB218 Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	TA256		Environmental		
Sensitivity (±15%)	500 mV/g		Operating Temperature Range	-40°F to 250°F	-40°C to 121°C
Frequency Response (±3dB)	6-480,000 CPM	0.1-80 Hz	Maximum Shock Protection	5,000 g, peak	
	± 10 g, peak		Electromagnetic Sensitivity	CE	
Dynamic Range	*Vsource ≥ 22V, 12Vbias		Sealing	Welded, Hermetic	
Temperature Measurement Range	-40°F to 250°F	-40°C to 121°C	Sensing Element	PZT Ceramic	
Temperature Output	10 mV/°C		Sensing Structure	Shear Mode	
Electrical			Weight	5.6 oz	160 grams
Settling Time	<2.5 seconds		Case Material	316L Stainless Steel	
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	1.7 µg/√Hz		Mounting Torque	2 to 5 ft. lbs	2.7 to 6.8 Nm
Spectral Noise @ 100 Hz	.2 µg/√Hz				
Spectral Noise @ 1000 Hz	.12 µg/√Hz		Mounting Hardware Supplied	Captive	Captive
	<100				