

# TEB110 Series

Test and Measurement Accelerometer, 100mV/g, Top Exit, 10-32  
Coaxial Connector, 10-32 Mounting



Actual  
Product  
Size  
Shown

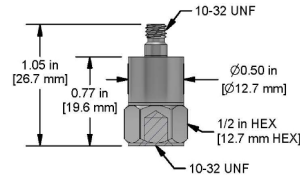


## Product Features

- ▶ General Purpose Test & Measurement Accelerometer
- ▶ Lightweight Titanium Case
- ▶ 10kHz ( $\pm 5\%$ ) Frequency Response

### TEB110 Coaxial Connector

Connector Pin	Polarity
Center	(+) Signal/Power
Shell	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Sensitivity ( $\pm 10\%$ )	100 mV/g		<u>Environmental</u>		
Frequency Response ( $\pm 3\text{dB}$ )	30-1,800,000 CPM	0.5 Hz-30 kHz	Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response ( $\pm 10\%$ )	30-900,000 CPM	0.5 Hz-15 kHz	Maximum Shock Protection	10,000 g, peak	
Frequency Response ( $\pm 5\%$ )	30-600,000 CPM	0.5 Hz-10 kHz	Electromagnetic Sensitivity	CE (Pending)	
Dynamic Range	$\pm 50\text{g}$ , peak		Sealing	Welded, Hermetic	
Non-Linearity	$\leq 1\%$		<u>Physical</u>		
Transverse Sensitivity	$\leq 5\%$		Sensing Element	PZT Ceramic	
<u>Electrical</u>			Sensing Structure	Shear Mode	
Settling Time	<2 Seconds		Weight	0.35 oz	10 grams
Voltage Source (IEPE)	18-30 VDC		Case Material	Titanium	
Constant Current Excitation	2-20 mA		Mounting	10-32 UNF	
Spectral Noise @ 10 Hz	30 $\mu\text{g}/\sqrt{\text{Hz}}$		Connector (Non-Integral)	10-32	
Spectral Noise @ 100 Hz	4 $\mu\text{g}/\sqrt{\text{Hz}}$		Resonant Frequency	2,640,000 CPM	44 kHz
Spectral Noise @ 1000 Hz	2 $\mu\text{g}/\sqrt{\text{Hz}}$		Calibration Certificate	CA12	
Output Impedance	<100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	Case Ground				

## Typical Frequency Response

