TA133 Series

Dual Output, Broad Range Sensor, Temperature/Acceleration, Top Exit Connector, 500 mV/g, 10 mV/°C

Actual Product Size Shown

CE

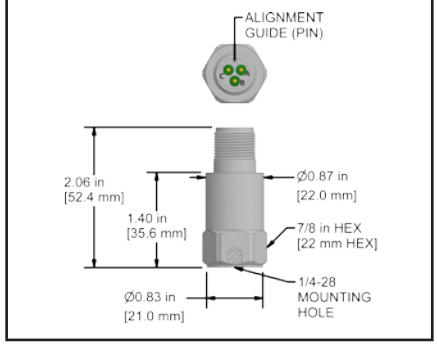
Product Features

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

TA133-1E
3 Pin Connector

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



Specifications	Standard	Metric
Part Number	TA133	M/TA133
Vibration		
Sensitivity (±10%)	500 mV/g	
Frequency Response (±3dB)	6-600,000 CPM	0,1-10000 Hz
Frequency Response (±10%)	36-180,000 CPM	0,6-3000 Hz
Dynamic Range	± 10 g, peak	
Temperature Measurement Range	37° to 250° F	3° to 121° C
Temperature Output	10 mV/°C	
Electrical		
Settling Time	5 Seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	1.7 µg/√Hz	
Spectral Noise @ 100 Hz	0.2 µg/√Hz	
Spectral Noise @ 1000 Hz	0.12 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	$>10^8$ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-40 to 250°F	-40 to 121°C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.7 oz	104 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	3 Pin MIL-C-5015	
Resonant Frequency	960,000 CPM	16000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

Ordering Information

Standard	TA133-1E (1/4-28 Stud) Stock Product	
Metric	M/TA133-1E (M6x1 Adapter Stud) Stock Product	