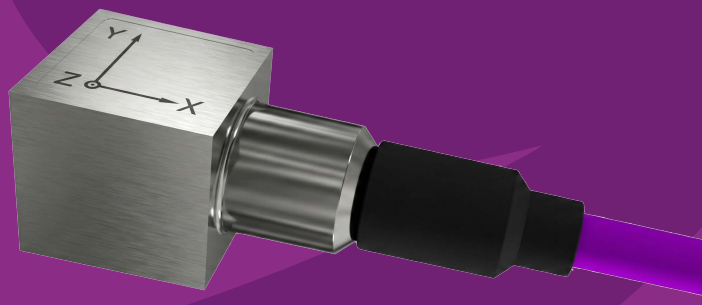
DJB
A CMTG COMPANY



AT/28.XX

Tri-axial IEPE accelerometer

IEPE, Side Entry Integral Cable to 3x BNC Connectors, Adhesive Mount

KEY FEATURES

- Titanium case
- 1.5 grams
- 2 sensitivity options; 5mV/g to 10mV/g

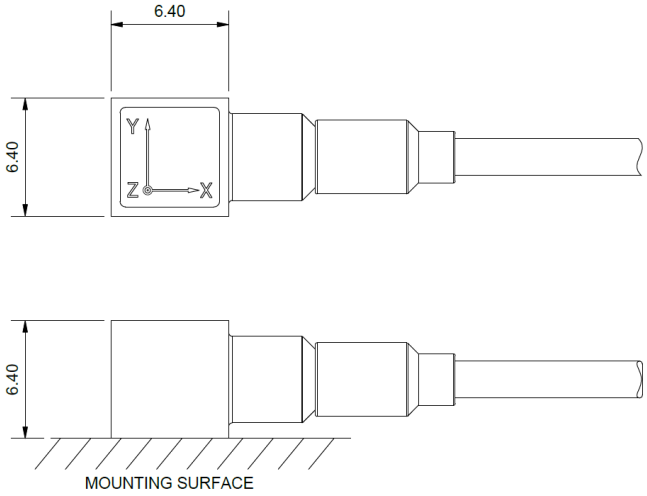
OPTIONS

- Extended low & high frequency calibration

CABLE OPTIONS

- Integral low-noise cable to 3x BNC connectors
- Customisable connector options and cable lengths

AT/28 ACCELEROMETER DIMENSIONS

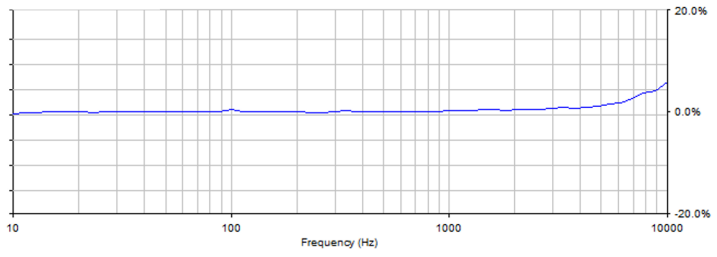


All measurements in millimeters (mm)

TECHNICAL SPECIFICATIONS

Performance	AT/28.5	AT/28.10
Voltage Sensitivity (±10%)	5mV/g	10mV/g
Measurement Range	±1000g	±500g
Frequency Response (±5%)	5Hz to 8kHz	5Hz to 8kHz
Frequency Response (±10%)	2Hz to 12kHz	2Hz to 10kHz
Resonant Frequency	≥50kHZ	
Temperature Sensitivity Deviation	-0.07% @ -50°C (-58°F), +0.07% @ +125°C (+257°F)	-0.13% @ -50°C (-58°F), +0.13% @ +125°C (+257°F)
Cross Axis Error	≤5%	
Maximum Shock Limit	3000g	2000g
Non-linearity (% FS)	≤1%	
Broadband Resolution	0.002grms	0.001grms
Electrical Characteristics		
Supply Voltage	20V to 30V DC	
Supply Current	2mA to 20mA (max 2mA above 125°C)	
Bias Voltage	8V to 12V DC	
Output Imedance	≤100Ω	
Settling Time Constant	<1 second	
Physical		
Case Material	Titanium	
Connector	3m integral cable, 4 core, ending in 3x BNC	
Mounting	Adhesive	
Recommended Mounting Torque	N/A	
Weight	1.5 grams	
Size (metric)	6.4 x 6.4 x 6.4mm	
(imperial)	0.25 x 0.25 x 0.25"	
Environmental		
Temperature Range (°C)	-50°C to +100°C	
(°F)	-58°F to +212°F	

TYPICAL FREQUENCY RESPONSE



TYPICAL SPECTRAL NOISE (10mV/g)

10 Hz - 150.0 µg/√Hz
100Hz - 40.0 µg/√Hz
1000Hz - 20.0 µg/√Hz

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SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
ALL DEVICES CALIBRATED IN ACCORDANCE WITH BS ISO 16063-21:2003. ALL DEVICE CALIBRATIONS ARE UKAS TRACEABLE.

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