



AT/16.XX

Tri-axial IEPE Seat Pad accelerometer

IEPE, Integrated Cable with 3x BNC connectors,

KEY FEATURES

- ✓ Piezoelectric ceramic sensing element
- ✓ SBR Rubber, 82 Shore A moulded pad
- ✓ <0.7 kilograms
- ✓ 2 sensitivity options; 10mV/g, 100mV/g

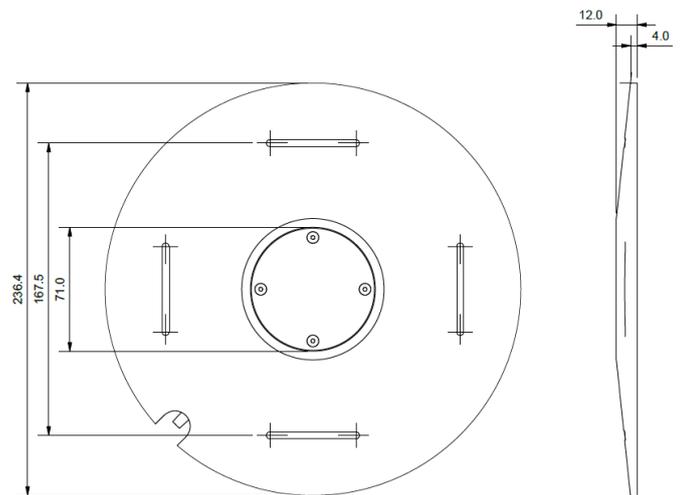
OPTIONS

- ✓ AT/16.XXT - Transducer Electronic Datasheet (TEDS)

CABLE OPTIONS

- ✓ Integrated 3 metre co-axial cable ending in 3x BNC
- ✓ Other connector options and customisable cable lengths

AT/16 SEAT PAD ACCELEROMETER DIMENSIONS

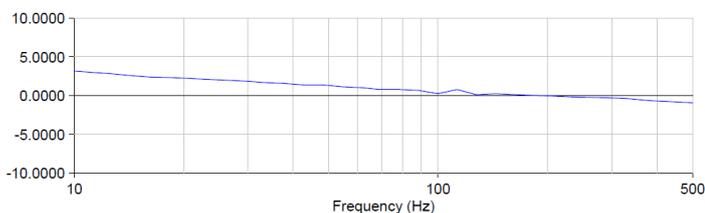


All measurements in millimeters (mm)

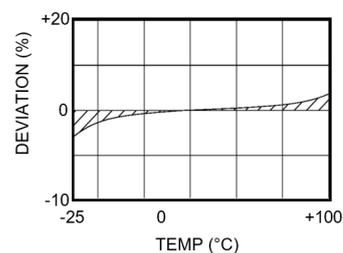
TECHNICAL SPECIFICATIONS

Performance	AT/16.10	AT/16.100
Voltage Sensitivity	10mV/g	100mV/g
Measurement Range	±500g	±50g
Frequency Response (±5%)	1Hz to 500Hz	
Frequency Response (±10%)	N/A	
Resonant Frequency	≥17kHz	
Maximum Shock Limit	5000g	
Non-linearity (% FS)	≤1%	
Broadband Resolution	<0.01grms (100mV/g)	
Electrical Characteristics		
Supply Voltage	15V to 35V	
Supply Current	2mA to 20mA (max 2mA above 125°C)	
Bias Voltage	10V to 14V	
Output Impedance	<100Ω	
Settling Time Constant	<5 seconds	
Physical		
Pad Material	SBR Rubber, 82 Shore A	
Connector	3x BNC standard (customisable)	
Weight	<0.7 kilograms	
Size (metric)	236.4 mm diameter, 12mm max height	
(imperial)	0.37 " (A/F) x 0.39 "	
Environmental		
Temperature Range (°C)	-25°C to +100°C	
(°F)	-13°F to +212°F	

TYPICAL FREQUENCY RESPONSE



TYPICAL THERMAL RESPONSE



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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.