

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 0.5 %)(Voltage)	100 mV/g	10.2 mV/(m/s ²)	[2]
Measurement Range(± 5V)(Output)	50 ±g pk	490 ±m/s ² pk	
Frequency Range(± 2 %)	5 to 5000 Hz	5 to 5000 Hz	
Frequency Range(± 5 %)	0.5 to 10,000 Hz	0.5 to 10,000 Hz	
Frequency Range(± 10 %)	0.3 to 14,000 Hz	0.3 to 14,000 Hz	
Resonant Frequency(Mounted)	≥ 35 kHz	≥ 35 kHz	
Broadband Resolution(1 Hz to 10 kHz)	0.004 g rms	0.039 m/s ² rms	[1]
Amplitude Linearity	≤ 1 %	≤ 1 %	[3]
Transverse Sensitivity	≤ 3 %	≤ 3 %	
Sensitivity(Base Strain)	0.0001 g/µε	0.001 (m/s ²)/µε	
Environmental			
Warm Up	<12.0 sec	<12.0 sec	
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C	
Electrical			
Spectral Noise(1 Hz)	235 (µm/s ²)/√Hz	2303	[1]
Spectral Noise(10 Hz)	55 (µm/s ²)/√Hz	539	[1]
Spectral Noise(100 Hz)	18 (µm/s ²)/√Hz	176	[1]
Spectral Noise(1 kHz)	12 (µm/s ²)/√Hz	118	[1]
Physical			
Sensing Element	Quartz/Shear	Quartz/Shear	
Housing Material	Stainless Steel/Welded	Stainless Steel/Welded	
Size (Hex x Height x Width x Depth)	1.19 in x 1.5 in x 6.3 in x 2.4 in x 11.0 in	30.2 mm x 38.1 mm x 16 cm x 6.1 cm x 28 cm	
Weight	6.2 oz	176 gm	[1]
Electrical Connector	10-32 Coaxial/Side	10-32 Coaxial/Side	
Mounting Thread(Standard)	1/4-28 UNF	1/4-28 UNF	
Mounting Thread(Unit Under Test)	10-32 UNF	10-32 UNF	
Mounting Torque	20 to 30 in-lb	225 to 338 N-cm	
Power(± 5%)(Required)	36 VDC	36 VDC	[4]
Weight	1.51 lb	685 gm	[1]
Cable Connector(Input)	BNC Jack/Rear	BNC Jack/Rear	
Cable Connector(Output)	BNC Jack/Rear	BNC Jack/Rear	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

M - Metric Mount [6]

Sensitivity(± 0.5 %)	10 mV/(m/s ²)	98 mV/g
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NOTES:

[1] Typical.
 [2] All sensor specifications are valid only when used with matched power supply.
 [3] Zero-based, least-squares, straight line method.
 [4] Provided by 488A04.
 [5] See PCB Declaration of Conformance PS023 or PS031 for details.
 [6] Measured at 159 Hz.

SUPPLIED ACCESSORIES:

Model 003C10 Low-noise, blue, coaxial, PTFE cable, 10-ft, 10-32 coaxial plug to BNC plug (1)
 Model 003D03 Low-noise, blue, coaxial, PTFE cable, 3-ft, BNC plug to BNC plug (1)
 Model 017AXX Power Cord (1)
 Model 080A149 Calibration adaptor, 10-32 to 5-40 (for Model 394A11 calibration standard) (1)
 Model 081A08 Mounting Stud (10-32 to 1/4-28) (2)
 Model 081A90 Mounting stud, 10-32 to 5-40 (2)
 Model 081B05 Mounting Stud (10-32 to 10-32) (2)
 Model 081B20 Mounting Stud, with shoulder (1/4-28 to 1/4-28) (2)
 Model 301A11 Calibration ICP® accel., 100 mV/g, 50g, 0.5 to 10 kHz, 10-32 side conn., 1/4-28 thd on bottom, 10-32 thd on top (1)
 Model 482A23 1-channel, line-powered, ICP® sensor signal cond., BNC input/output conn. X0.9 to x1.1 gain, (for use in 394A10/ 394A11 systems) (1)
 Model 488A04 Universal AC power source (1)
 Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point).
 Model ACS-10/ACS-4 NIST Tracable frequency sweep (0.5 Hz to upper 5% point) (1)
 Model ACS-4 Single axis, low frequency phase and amplitude response cal (from 0.5 to 10Hz)
 Model M080A149 Mounting adaptor (10-32 to M3 x 0.50) (1)
 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (2)
 Model M081B20 Mounting Stud 1/4-28 to M6 X 0.75 (2)



All specifications are at room temperature unless otherwise specified.
 In the interest of constant product improvement, we reserve the right to change specifications without notice.

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