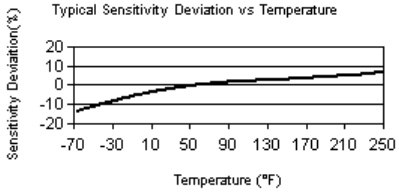
Model Number **355B02**	**ACCELEROMETER, ICP®**	Revision H ECN #: 29040

Performance	**ENGLISH**	**SI**	
Sensitivity (±10 %)	10 mV/g	1.02 mV/(m/s²)	
Measurement Range	±500 g pk	±4900 m/s² pk	
Frequency Range (±5 %)	1 to 10000 Hz	1 to 10000 Hz	
Frequency Range (±10 %)	0.6 to 12000 Hz	0.6 to 12000 Hz	
Frequency Range (±3 dB)	0.3 to 17000 Hz	0.3 to 17000 Hz	
Resonant Frequency	≥35 kHz	≥35 kHz	
Broadband Resolution (1 to 10000 Hz)	0.0005 g rms	0.005 m/s² rms	[1]
Non-Linearity	≤1 %	≤1 %	[2]
Transverse Sensitivity	≤5 %	≤5 %	[3]
Environmental			
Overload Limit	±5000 g pk	±49000 m/s² pk	
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	0.05 g/με	0.49 (m/s²)/με	[1]
Electrical			
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤100 ohm	≤100 ohm	
Output Bias Voltage	7 to 15 VDC	7 to 15 VDC	
Discharge Time Constant	0.5 to 2 sec	0.5 to 2 sec	
Settling Time (within 10% of bias)	<10 sec	<10 sec	
Spectral Noise (1 Hz)	90 μg/√Hz	880 (μm/sec^2)/√Hz	[1]
Spectral Noise (10 Hz)	15 μg/√Hz	147 (μm/sec^2)/√Hz	[1]
Spectral Noise (100 Hz)	5 μg/√Hz	49 (μm/sec^2)/√Hz	[1]
Spectral Noise (1 kHz)	3 μg/√Hz	29 (μm/sec^2)/√Hz	[1]
Electrical Isolation (Base)	>10^8 ohm	>10^8 ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.40 in x 0.95 in x 0.63 in	10.2 mm x 24.1 mm x 16.0 mm	
Weight	0.35 oz	10 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Through Hole	Through Hole	

CE[4]



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.

Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

A - Adhesive Mount
Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces)

M - Metric Mount
Supplied Accessory: Model M039A22 Allen wrench for use with M3 thread replaces Model 039A22
Supplied Accessory: Model M081B45 Insulated cap screw, M3x0.5 thd x 5/8" long (for Model M355B02) replaces Model 081B45

W - Water Resistant Cable

Electrical Connector	Sealed Integral Cable	Sealed Integral Cable
Electrical Connection Position	Side	Side

Notes
[1] Typical.
[2] Zero-based, least-squares, straight line method.
[3] Transverse sensitivity is typically <= 3%.
[4] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories
039A22 Allen wrench, 7/64" hex (1)
080A109 Petro Wax (1)
081B45 Insulated cap screw, 6-32 thd x 5/8" long (for Model 355B02) (1)
ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Entered: BLS	Engineer: JF	Sales: WDC	Approved: BAM	Spec Number:
Date: 07/08/2008	Date: 07/01/2008	Date: 07/01/2008	Date: 07/02/2008	**10534**

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