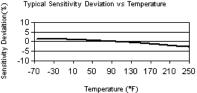
Model Number 353B04		ACCELEROME	TER	, ICP®
Performance	ENGLISH	SI		Optional
Sensitivity (±5 %)	10 mV/g	1.02 mV/(m/s ²)	[2]	for stand
Measurement Range	±500 g pk	±4905 m/s² pk		B - Low
Frequency Range (±5 %)	1 to 7000 Hz	1 to 7000 Hz		Outpu
Frequency Range (±10 %)	0.7 to 11000 Hz	0.7 to 11000 Hz		Excita
Frequency Range (±3 dB)	0.35 to 20000 Hz	0.35 to 20000 Hz		Const
Resonant Frequency	≥38 kHz	≥38 kHz		Measi
Broadband Resolution (1 to 10000 Hz)	0.003 g rms	0.03 m/s ² rms	[1]	J - Gro
Non-Linearity	≤1 %	≤1 %	[3]	Frequ
Transverse Sensitivity	≤5 %	≤5 %	[4]	Frequ
Environmental				Resor
Overload Limit (Shock)	±10000 g pk	±98100 m/s² pk		Electr
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C		
Base Strain Sensitivity	≤0.0005 g/με	≤0.005 (m/s²)/με	[1]	
Electrical				Q - Exte
Excitation Voltage	18 to 30 VDC	18 to 30 VDC		Frequ
Constant Current Excitation	2 to 20 mA	2 to 20 mA		Frequ
Output Impedance	≤100 Ohm	≤100 Ohm		Disch
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC		Settlir
Discharge Time Constant	0.5 to 2.6 sec	0.5 to 2.6 sec		Suppl
Settling Time (within 10% of bias)	<5 sec	<5 sec		respo W - Wa
Spectral Noise (1 Hz)	2800 µg/√Hz	27468 (µm/sec² /√Hz	[1]	Electr
Spectral Noise (10 Hz)	700 μg/√Hz	6867 (µm/sec²/√Hz	[1]	Electi
Spectral Noise (100 Hz)	180 μg/√Hz	1766 (µm/sec²/√Hz	[1]	Electr
Spectral Noise (1 kHz)	64 μg/√Hz	628 (µm/sec²/√Hz	[1]	Notes
Physical				[1]
Size (Height)	1.14 in	29.0 mm		[2]
Weight	0.38 oz	10.5 gm	[1]	[3]
Sensing Element	Quartz	Quartz		[4]
Size (Hex)	0.50 in	12.7 mm		[5]
Sensing Geometry	Shear	Shear		
Housing Material Sealing	Titanium Welded Hermetic	Titanium Welded Hermetic		
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		Supplie
Electrical Connection Position	Top	Top		080A A
Mounting Thread	10-32 Female	10-32 Female		080A10
Mounting Thread	10-32 i eiliale	10-32 i emale		081B05
				ACS-1
				M081B
	F Typical Sensiti	ivity Deviation vs Temperature		ļ
	Typical Sensiti		ı	Entered
	fa ', 1		1	Date:





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

Revision K

ECN #: 35369

B - Low bias electronics		
Output Bias Voltage	4.5 to 7.5 VDC	4.5 to 7.5 VDC
Excitation Voltage	12 to 30 VDC	12 to 30 VDC
Constant Current Excitation	1 to 20 mA	1 to 20 mA
Measurement Range	±300 g pk	±2943 m/s ² pk
J - Ground Isolated		
Frequency Range (±5 %)	1 to 5000 Hz	1 to 5000 Hz
Frequency Range (±10 %)	0.7 to 9000 Hz	0.7 to 9000 Hz
Resonant Frequency	≥22 kHz	≥22 kHz
Electrical Isolation (Base)	≥10 ⁸ Ohm	≥10 ⁸ Ohm

Q - Extended discharge time constant

Frequency Range (±5 %)	0.1 to 7000 Hz	0.1 to 7000 Hz
Frequency Range (±10 %)	0.07 to 11000 Hz	0.07 to 11000 Hz
Discharge Time Constant	>10 sec	>10 sec
Settling Time (within 10% of bias)	45 sec	45 sec
Supplied Accessory: Model ACS-4 Sir	ngle-axis, low frequency	y phase and amplitude
response calibration from 0.5 to 10 Hz	•	

W - Water Resistant Cable

Electrical Connector	Sealed Integral	Sealed Integral	
	Cable	Cable	
Electrical Connection Position	Тор	Тор	

Notes

- [1] Typical.
- [2] B and Q options supplied with a sensitivity tolerance of \pm 10 %.
- [3] Zero-based, least-squares, straight line method.
- [4] Transverse sensitivity is typically <= 3%.
- [5] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories

080A Adhesive Mounting Base (1)

080A109 Petro Wax (1)

081B05 Mounting Stud (10-32 to 10-32) (1)

ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

Entered: DMW	Engineer: BAM	Sales: WDC	Approved: ECB	Spec Number:
Date:	Date:	Date:	Date:	353-2040-80
03/25/2011	03/25/2011	03/25/2011	03/25/2011	



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