Model	Number						
350B23							

ICP® SHOCK ACCELEROMETER

Revision: F

ECN #: 38113

Performance	<u>ENGLISH</u>	<u>SI</u>		OPTIONAL VERSIONS	
Sensitivity(± 30 %)	0.5 mV/g	0.05 mV/(m/s²)		Optional versions have identical specifications and accessories as listed for the standard mode	
Measurement Range	± 10,000 g pk	\pm 98,000 m/s ² pk		except where noted below. More than one option may be used.	
Frequency Range(± 1 dB)	0.4 to 10,000 Hz	0.4 to 10,000 Hz	98000	ONL AN AND A	
(-3 dB)	0.2 to 25,000 Hz	0.2 to 25,000 Hz	[2]	M - Metric Mount	
Electrical Filter Corner Frequency(-3 dB)	13 kHz	13 kHz	[1][3]	Mounting Thread M6 x 0.75 Male M6 x 0.75 Male	
Mechanical Filter Resonant Frequency	23 kHz	23 kHz	[1][4]		
Resonant Frequency	≥ 100 kHz	≥ 100 kHz			
Broadband Resolution(1 to 10,000 Hz)	0.04 g rms	0.39 m/s ² rms	[1]		
Non-Linearity	≤ 2.0 %	≤ 2.0 %			
Transverse Sensitivity	≤ 7 %	≤ 7 %			
Environmental					
Overload Limit(Shock)	± 50,000 g pk	± 490,000 m/s ² pk			
Temperature Range(Operating)	0 to +150 °F	-18 to +66 °C			
(Storage)	-40 to +200 °F	-40 to +93 °C			
Temperature Response	See Graph	See Graph	[1]	NOTES:	
Base Strain Sensitivity	0.002 g/με	0.02 (m/s²)/με	[1]	[1] Typical.	
Electrical	0.002 g/µc	0.02 (11/0)/ μο	1.3	[2] Typical corner frequency for coupled electrical and mechanical filters.	
Excitation Voltage	20 to 30 VDC	20 to 30 VDC		[3] Electrical filter is a second order filter. [4] Amplitude at resonance is +9 dB.	
Constant Current Excitation	2 to 20 mA	2 to 20 mA		[4] Amplitude at resonance is +9 db.	
Output Impedance	≤ 200 ohm	≤ 200 ohm			
Output Impedance Output Bias Voltage	8 to 14 VDC	8 to 14 VDC			
Discharge Time Constant	1.0 to 2.0 sec	1.0 to 2.0 sec	[1]		
			ניו		
Settling Time(within 10% of bias)	<10 sec	<10 sec			
Electrical Isolation(Case)	>1,000,000 ohm	>1,000,000 ohm			
Physical	_				
Sensing Element	Ceramic	Ceramic			
Sensing Geometry	Shear	Shear			
Housing Material	Titanium	Titanium			
Sealing	Hermetic	Hermetic			
Size (Hex x Height)	0.375 in x 0.75 in	9.5 mm x 19.1 mm			
Weight	0.16 oz	4.5 gm	[1]		
Electrical Connector	Integral Cable	Integral Cable			
Cable Length	10 ft	3.05 m			
Cable Type	031 Twisted Pair	031 Twisted Pair			
Mounting Thread	1/4-28 Male	1/4-28 Male			
	- Typical Sensitivity D	Typical Sensitivity Deviation vs Temperature			
	E Typical Jensitivity De	/ Typical Sensitivity Deviation vs. remperature		AUDRIUM AGGEOGRAFIA	
	.≦ 10 			SUPPLIED ACCESSORIES:	
	ig 5			Model ACS-14 High G shock accelerometer calibration using Hopkinson bar. (1) Model ACS-22 NIST Traceable frequency response (100Hz to ±1 dB point) (1)	
	å 1 <u> </u>			Model AGS-22 MIST Traceable frequency response (100m2 to ±1 db point) (1)	
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Temperature (°F)

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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Entered:	Engineer B	Sales: Rwm	Approved:B4y	Spec Number:
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