



Model Number 393C		SEISMIC ICP® ACCELEROMETER		Revision: P ECN #: 17220				
Performance	ENGLISH	SI		OPTIONAL VERSIONS				
Sensitivity (±15 %)	1000 mV/g	101.9 mV/(m/s ²)		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.				
Measurement Range	2.5 g pk	24.5 m/s ² pk						
Frequency Range (±5 %)	0.025 to 800 Hz	0.025 to 800 Hz						
Frequency Range (±10 %)	0.01 to 1200 Hz	0.01 to 1200 Hz						
Resonant Frequency	≥3.5 kHz	≥3.5 kHz						
Broadband Resolution (1 to 10000 Hz)	0.0001 g rms	0.001 m/s ² rms	[1]					
Non-Linearity	≤1 %	≤1 %	[2]					
Transverse Sensitivity	≤5 %	≤5 %						
Environmental								
Overload Limit (Shock)	±100 g pk	±981 m/s ² pk						
Temperature Range	-65 to +200 °F	-54 to +93 °C	[1]					
Temperature Response	<0.03 %/°F	<0.054 %/°C	[1]					
Base Strain Sensitivity	0.001 g/με	0.01 (m/s ²)/με	[1]					
Electrical				NOTES: [1] Typical. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.				
Excitation Voltage	18 to 30 VDC	18 to 30 VDC						
Constant Current Excitation	2 to 20 mA	2 to 20 mA						
Output Impedance	<100 ohms	<100 ohms						
Output Bias Voltage	3.0 to 4.5 VDC	3.0 to 4.5 VDC						
Discharge Time Constant	≥20 sec	≥20 sec	[1]					
Settling Time	300 sec	300 sec						
Electrical Isolation (Base)	≥10 ⁸ ohms	≥10 ⁸ ohms						
Physical								
Sensing Element	Quartz	Quartz						
Sensing Geometry	Compression	Compression						
Housing Material	Stainless Steel	Stainless Steel						
Sealing	Hermetic	Hermetic						
Size (Diameter x Height)	2.25 in x 2.16 in	57.2 mm x 54.9 mm	[1]					
Weight	31.2 oz	885 gm						
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack						
Electrical Connection Position	Side	Side						
Mounting Thread	10-32 Female	10-32 Female						
 [3]				Entered: DMO	Engineer: DMO	Sales: WDL	Approved: JM	Spec Number:
				Date: 4/2/03	Date: 4/2/03	Date: 4/2/3	Date: 4/2/3	393-3010-80
<p><i>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.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>						Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com		
				VIBRATION DIVISION 3425 Walden Avenue, Depew, NY 14043				



Represented in India by

Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029