Model Number	TRIAXIAL ICP® ACCELEROMETER						Rev	ision: G
354C10	IR	CE				ECM	N #: 42197	
Performance	ENGLISH	SI		1	0	PTIONAL VERSI	ONS	
Sensitivity(± 15 %)	10 mV/g	1.02 mV/(m/s ²)		Optional versions	-		ssories as listed for t	he standard mo
Measurement Range	± 500 g pk	± 4905 m/s² pk					ne option may be use	
Frequency Range(± 5)	2 to 8000 Hz	2 to 8000 Hz					. ,	
Resonant Frequency	≥ 40 kHz	≥ 40 kHz		HT - High tempe	erature, extends nor	mal operation temp	eratures	
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s ² rms	[1]	Temperature Ra				54 to 163 °C
Non-Linearity	≤ 1 %	≤ 1 %	[3]					
Fransverse Sensitivity	≤ 5 %	≤ 5 %		M - Metric Moun	t			
Environmental				Supplied Access	ory : Model M039A	22 Allen wrench for	use with M3 thread (1) replaces Mod
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s ² pk		039A21	-			
Temperature Range	-65 to +250 °F	-54 to +121 °C	[2]				rew, M3x0.5 thd x 1/2	" long (for Mode
Temperature Response	See Graph	See Graph		M354C10) (1) re	places Model 081B	93		
Electrical		p.:						
Excitation Voltage	18 to 30 VDC	18 to 30 VDC						
Constant Current Excitation	2 to 20 mA	2 to 20 mA						
Output Impedance	≤ 200 Ohm	≤ 200 Ohm						
Output Bias Voltage	7 to 12 VDC	7 to 12 VDC						
Discharge Time Constant	0.3 to 1.0 sec	0.3 to 1.0 sec						
Settling Time(within 10% of bias)	<3 sec	<3 sec						
Spectral Noise(1 Hz)	1000 µg/√Hz	9810 (µm/sec ²)/√Hz	[1]					
Spectral Noise(10 Hz)	300 µg/√Hz	2943 (µm/sec ²)/√Hz	[1]	NOTEO				
Spectral Noise(100 Hz)	80 µg/√Hz	785 (μm/sec ²)/√Hz	[1]	NOTES:				
Spectral Noise(1 kHz)	25 μg/√Hz	308 (µm/sec²)/√Hz	[1]	[1] Typical.	° F data valid with H	T option only		
Electrical Isolation	>10 ⁸ Ohm	>10 ⁸ Ohm	1.1	[3] Zero-based l	east-squares, straig	ht line method		
Physical	>10° Onm	>10° Onm				ance PS023 for det	ails.	
Sensing Element	Ceramic	Ceramic						
Sensing Geometry	Shear	Shear						
Housing Material	Titanium	Titanium						
Sealing	Hermetic	Hermetic						
Size (Height x Length x Width)	0.30 in x 0.55 in x 0.55 in	7.6 mm x 14.0 mm x 14.0 mm						
Weight(without cable)	0.30 III X 0.35 III X 0.35 III 0.18 oz	5.0 gm	[1]					
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin	[1]					
Electrical Connection Position	Side	Side						
Cable Length	5 ft	1.5 m						
Cable Type	034 4-cond Shielded	034 4-cond Shielded						
Mounting	Through Hole	Through Hole						
Nounting	Through Hole	rniouginhole						
	्रू Typical Sensitiv	rity Deviation vs Temperature		SUPPLIED AC				
	30 30 10 -10 -10 					le 5 ft (1 5M) 4-nin	plug to (3) BNC plug	s (1)
				Model 039A21 Allen wrench. 3/32" hex (1)				
	َيَ ة 10		_				(for Model 354C10)	
	ĕ 10			Model ACS-1T N	IST traceable triaxia	al amplitude respons	se, 10 Hz to upper 5%	6 frequency. (1)
	÷ -10		-					
	듩 -30 		_		1	Π	Π	Π
	ទ្លី -70 -30 10	50 90 130 170 210 250 290	330	Entered: AP	Engineer: JJB	Sales: WDC	Approved: JJB	Spec Numbe
		Temperature (°F)		Date: 11/8/2013	Date: 11/8/2013	Date: 11/8/2013	Date: 11/8/2013	17387
All specifications are at room temperature						nouvee"	Phone: 71	6-684-0001
n the interest of constant product improve	ment, we reserve the right to char	ge specifications without notice.		IVP(F	PIEZOTI	<i>41 JNI(</i> 5	Fax: 716-6	
CP [®] is a registered trademark of PCB Gro	up, Inc.			3425 Walden Ave	nue, Depew, NY 14	4043		o@pcb.com
y	• *			STLO Maluen Ave		1010		

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