Model Number 356A32		ACC	ELEROMETER,	ICP ®	, TRIAXIAL
Performance		ENGLISH	SI		Optional Version
Sensitivity (±10 °	%)	100 mV/g	10.2 mV/(m/s ²)		for standard mode
Measurement Range		±50 g pk	±491 m/s² pk		T - TEDS Capab
Frequency Range (±5 %)		1.0 to 4000 Hz	1.0 to 4000 Hz		IEEE P1451.4
Frequency Range	(±10 %)	0.7 to 5000 Hz	0.7 to 5000 Hz		TLA - TEDS LM
Resonant Freque	ncy	≥25 kHz	≥25 kHz		TLB - TEDS LM
Broadband Resol	ution (1 to 10000 Hz)	0.0003 g rms	0.003 m/s ² rms	[1]	TLC - TEDS LM
Non-Linearity		≤1 %	≤1 %	[2]	TLD - TEDS Ca
Frequency Range (±10 %) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity Environmental Overload Limit (Shock) Temperature Range (Operating) Base Strain Sensitivity Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (1 Hz) Spectral Noise (10 Hz)		≤5 %	≤5 %		IEEE 1451.4
Environmental	•				Output Bias Vo
Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity Environmental Overload Limit (Shock) Temperature Range (Operating) Base Strain Sensitivity Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time (within 10% of bias) Spectral Noise (1 Hz) Spectral Noise (100 Hz)		±5000 g pk	±49050 m/s ² pk		Weight
Temperature Ran	ge (Óperating)	-65 to +250 °F	-54 to +121 °C		Mounting
Base Strain Sens	tivity	0.001 g/με	0.01 (m/s²)/με	[1]	
Electrical	•	٥.	` , ,		Notes
Excitation Voltage	:	24 to 30 VDC	24 to 30 VDC		[1] Typical.
Constant Current	Excitation	2 to 20 mA	2 to 20 mA		[2] Zero-ba
Output Impedance	Э	≤200 Ohm	≤200 Ohm		[3] See PC
Output Bias Volta	ge	7 to 16 VDC	7 to 16 VDC		
Discharge Time C	onstant	0.4 to 1.5 sec	0.4 to 1.5 sec		
Settling Time (within 10% of bias)		<5 sec	<5 sec		Supplied Acces
Spectral Noise (1 Hz)	95 μg/√Hz	932 (µm/sec²/√Hz	[1]	034K10 Cable 1
Spectral Noise (10 Hz)	20 μg/√Hz	196 (µm/sec²/√Hz	[1]	080A Adhesive
Spectral Noise (100 Hz)	6 μg/√Hz	58.9 (µm/sec² /√Hz	[1]	080A109 Petro \
Spectral Noise (1 kHz) ´	3 µg/√Hz	29.4 (µm/sec²/√Hz	[1]	081A27 Mountin
Spectral Noise (10 kHz)	2 µg/√Hz	19.6 (µm/sec²/√Hz	[1]	081A90 Mountin
Physical	,	13	4	• • •	ACS-1T NIST tra M081A27 Metric
Sensing Element		Ceramic	Ceramic		IVIU6TAZ7 IVIEUTO
Sensing Geometr	У	Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Hermetic	Hermetic		
Size (Height x Ler	ngth x Width)	0.45 in x 0.45 in x	11.4 mm x 11.4 mm x		
` •	,	0.45 in	11.4 mm		
Weight		0.19 oz	5.4 gm	[1]	
Electrical Connec	tor	8-36 4-Pin	8-36 4-Pin		
Electrical Connec	tion Position	Side	Side		
Mounting Thread		5-40 Female	5-40 Female		
Mounting Torque		4 to 5 in-lb	45 to 55 N-cm		

ECN #: 28478 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 F

T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

TLA - TEDS LMS International - Free Format

TLB - TEDS LMS International - Automotive Format

TLC - TEDS LMS International - Aeronautical Format

TLD - TEDS Capable of Digital Memory and Communication Compliant with

Output Bias Voltage 7.7 to 17.0 VDC 7.7 to 17.0 VDC Weight .23 oz 6.4 gm Mounting Adhesive Adhesive

Notes

[2] Zero-based, least-squares, straight line method.

[3] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories

034K10 Cable 10FT Mini 4 Pin To (3) BNC (1) 080A Adhesive Mounting Base (1)

080A109 Petro Wax (1)

081A27 Mounting Stud (5-40 to 5-40) (1)

081A90 Mounting stud, 10-32 to 5-40 (1)

ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)

8	Тургог	ai oeiis	ili o il y	Devia	ation o	3 Telli	peraco	ii e	
ē	20 —								_
Š	10+						_		=
ě	.º+								\dashv
1	-10 -								
Sensitivity Deviaition(%)	-70	-30	10	50	90	130	170	210	250
		Temperature (°F)							

Typical Sensitivity Deviation as Temperature

Entered: LLH	Engineer: MJN	Sales: BAM	Approved: LLH	Spec Number:
Date:	Date:	Date:	Date:	16563
03/28/2008	03/27/2008	03/28/2008	03/31/2008	



3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987

E-mail: info@pcb.com Web site: www.pcb.com



All specifications are at room temperature unless otherwise specified.	i
In the interest of constant product improvement, we reserve the right to change specifications without	
notice.	
ICP® is a registered trademark of PCB group, Inc.	
	i,