

 MODEL NUMBER
 PERFORMANCE SPECIFICATIONS
 DOC NO.

 7533A4
 PS7533A4

 TRIAXIAL, DC ACCELEROMETER
 REV D ECN 13609, 07/27/17



- LOW COST
- WIDE SUPPLY VOLTAGE RANGE
- LOW CURRENT CONSUMPTION

		ENGLISH		SI	
PHYSICAL		LIVOLIO	511	<u> </u>	
Weight, Max. (less cable)		0.21	oz	6.0	grams
Mounting		2X M2 Screws		2X M2 Screws	
Cable	Type	6-conductor		6-conductor	İ
	Material	Santoprene		Santoprene	İ
Housing	Material	Aluminum, Anodized		Aluminum, Anodized	İ
_	Isolation	Case Isolated		Case Isolated	
PERFORMANCE					
Sensitivity, +/-10% [1]		57	mV/g	5.8	mV/m/s ²
Acceleration Range, Min.		±16	Gpeak	±157	m/s² peak
Frequency Range, -3dB	X,Y axes	0 to 1600	Hz	0 to 1600	Hz
	Z-axis	0 to 550	Hz	0 to 550	Hz
Resonance Frequency		>3	kHz	>3	kHz
Linearity [2]		±0.31	%F.S.	±0.31	%F.S.
Transverse Sensitivity Max		5	%	5	%
Spectral Noise		300	µGrms/√Hz	2943	µm/s² rms/√Hz
Sensitivity Change Due to T	emperature	±0.006	%/°F	±0.01	%/°C
ELECTRICAL					
Supply Current		350	μΑ	350	μΑ
Supply Voltage Range		4 to 28	VDC	4 to 28	VDC
Output Impedance, Typ.		100	Ω	100	Ω
Output Bias Voltage	X,Y axes	1.35 to 1.65	VDC	1.35 to 1.65	VDC
	Z-axis	1.2 to 1.8	VDC	1.2 to 1.8	VDC
		±1.0	VDC	±1.0	VDC
Self-Test Output [3]	X-axis	-29 to -114	mV	-29 to -114	mV
	Y-axis	+29 to +114	mV	+29 to +114	mV
	Z-axis	+29 to +190	mV	+29 to +190	mV
Turn-On Time		1	ms	1	ms
ENVIRONMENTAL					
Shock Max		10,000	g pk	98100	m/s ²
Vibration Max		5000	g pk	49050	m/s ²
Operating Temperature		-40 to +185	°F	-40 to +85	°C
Seal		Ероху		Epoxy	İ

				,	
	Model	Sensitivity (mV/g)	Range (Gpeak)	Noise(μGrms/sqr(Hz))	Oper. Temp(°F)
	7533A1	420	±2	250	-40 to 185
	7533A2	300	±3	175(x,y); 300(z)	-40 to 185
	7533A3	174	±5	250	-40 to 185
	7533A5	6.5	±200	2700(x,y); 4300(z)	-40 to 185

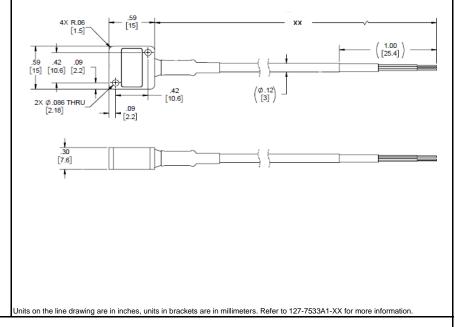
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting Screw, Model 6675, M2x0.4 x 12mm, qty. 2

Notes

- [1] Measured at 100 Hz, 5 Grms per ISA RP 37.2
- [2] Linearity is % of specified full scale (or any less full-scale range), zero-based best fit straight line method.
- [3] Refer to the Operating Guide for instructions on how to use Self-Test feature





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