

MODEL NUMBER 7533A1	PERFORMANCE SPECIFICATIONS				DOC NO. PS7533A1		
		TRIAXIAL , DC ACCELI	ROMETER	1			REV C ECN 13570, 07/20/17
			Model	Sensitivity (mV/g)	Range (Gpeak)	Noise(µGrms/sqr(Hz))	Oper. Temp(°F)
· State	• LOW COST		7533A2	300	±3	175(x,y); 300(z)	-40 to 185



- WIDE SUPPLY VOLTAGE RANGE
- LOW CURRENT CONSUMPTION

		ENGLISH		SI			
DUVOIOAL		ENGLISH		51	SI		
PHYSICAL		0.04		0.0			
Weight, Max. (less cable) Mounting		0.21	oz	6.0	grams		
· ·	_	2X M2 Screws		2X M2 Screws			
Cable	Туре	6-conductor		6-conductor			
Harrista a	Material	Santoprene		Santoprene			
Housing	Material	Aluminum, Anodized		Aluminum, Anodized			
	Isolation	Case Isolated		Case Isolated			
PERFORMANCE							
Sensitivity, +/-10% [1]		420	mV/g	42.8	mV/m/s <sup>2</sup>		
Acceleration Range, Min.		±2	Gpeak	±19.6	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		>5.5	kHz	>5.5	kHz		
Linearity [2]		±0.21	%F.S.	±0.21	%F.S.		
Transverse Sensitivity Max		5	%	5	%		
Noise		250	μGrms/vHz	2453	µm/s² rms/√Hz		
Sensitivity Change Due to Te	mperature	±0.006	%/°F	±0.01	%/°C		
ELECTRICAL							
Supply Current		350	μA	350	μA		
Supply Voltage Range		4 to 28	VDC	4 to 28	VDC		
Output Impedance, Typ.		100	Ω	100	Ω		
Output Bias Voltage	X,Y axes	1.3 to 1.7	VDC	1.3 to 1.7	VDC		
	Z-axis	1.2 to 1.8	VDC	1.2 to 1.8	VDC		
Output Range		±0.95	VDC	±0.95	VDC		
Self-Test Output [3]	X-axis	-210 to -850	mV	-210 to -850	mV		
	Y-axis	+210 to +850	mV	+210 to +850	mV		
	Z-axis	+210 to +1400	mV	+210 to +1400	mV		
Turn-On Time		1	ms	1	ms		
ENVIRONMENTAL							
Shock Max		10,000	g pk	98100	m/s²		
Vibration Max		5000	g pk	49050	m/s <sup>2</sup>		
Operating Temperature		-40 to +185	°F	-40 to +85	°C		
Seal		Ероху		Ероху			
		1 . 7		1 . 7			

	Model	Sensitivity (mV/g)	g) Range (Gpeak) Noise(μGrms/sqr(		Oper. Temp(°F)	
	7533A2	300	±3	175(x,y); 300(z)	-40 to 185	
	7533A3	174	±5	250	-40 to 185	
	7533A4	57	±16	300	-40 to 185	
	7533A5	6.5	±200	2700(x,y); 4300(z)	-40 to 185	

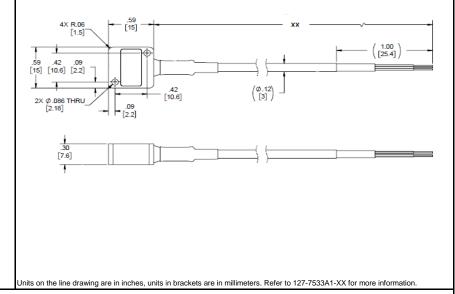
Please, refer to the performance specifications of the products in this family for detailed description

## 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





21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com