

Model Number	PERFORMANCE SPECIFICATIONS		
7563A1	1 ERI GRIMANOE OF EGIL TOATIONS	PS7563A1	
	VARIARI E CARACITANCE TRIAYIAI ACCEI EROMETER	DEV E ECN 15652 03/25/20	



- VARIABLE CAPACITANCE ACCELEROMETER
- CURRENT OUTPUT
- HERMETICALLY SEALED
- DC RESPONSE
- 4-20 mA LOOP COMPATIBLE

		ENGLISH		SI	
PHYSICAL					
Weight, Max		3.0	OZ	85	grams
Connector [1]	Type	Receptacle, 4-pin		Receptacle, 4-pin	
Mounting	Thru Holes	2 X Ø.180"		2 X Ø 4.57mm	
	Tapped hole	1/4-28 UNF-2B		1/4-28 UNF-2B	
Material		300 Series S.S.		300 Series S.S.	
PERFORMANCE					
Input Range		±2	g	±19.6	m/s ²
Frequency Response (-3	dB), ± 50Hz [4]	0-400	Hz	0-400	Hz
Sensitivity Differential, ±1	0%	2,500	μA/g	255	μA/m/s²
Output Noise, Differential	Г,Тур	5	μ g rms/√ Hz	49	μ m/s² /√ Hz
Non-Linearity, Max [2]		0.5	% F.S	0.5	% F.S
Transverse Sensitivity, Max		4	%	4	%
Scale Factor Calibration Error, Max		2	%	2	%
ENVIRONMENTAL					
Maximum Mechanical Sh	ock	2000	gpk	19620	m/s² peak
Bias Temperature Shift ,I	Max [3]	111	(ppm of span)/°F	200	(ppm of span)/°
Bias Calibration Error		1.5	% of span	1.5	% of span
Operating Temperature F	Range	-55 to +257	°F	-48 to +125	°C
Scale Factor Temperatur	e Shift [3]	-111 to 0	ppm/°F	-200 to 0	ppm/°C
Seal		Hermetic		Hermetic	
ELECTRICAL					
Bias Current		14-15	mA	14-15	mA
Output Impedance,Nom		400	Ω	400	Ω
Operating Voltage		10-36	VDC	10-36	VDC
Operating Voltage Rise T	ime	< 2	ms	< 2	ms
Full Scale Output		±5	mA	±5	mA
Power Supply Rejection F	Patio	>65	dB	>65	dB

	This family a	/ also includes:						
	Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±10% (µA/q)	Max.Shock (gpk)	Noise Differential (μg rms/vHz)		
	7563A2	± 50	0-2000	100	5000	50		
I	7563A3	± 100	0-2500	50	5000	100		
ſ	7563A4	± 400	0-2500	12.5	5000	600		

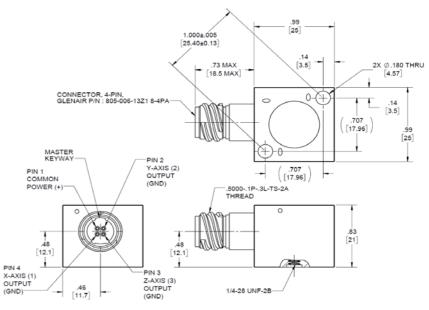
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6360 mounting stud, 1/4-28 to 1/4-28. Qty. 1
- 3) Model 6691 mounting stud, 1/4-28 to M6x1. Qty. 1

Notes:

- [1] Glenair P/N 805-006-13Z1 8-4PA. Mates with 805-001-16Z1 8-4SA and 805-002-16Z1 8-4SA
- [2] -90% to +90% of Full Scale.
- [3] Over the rated temperature range.
- [4] When measured with 25 ohm sense resistor.
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches, dimensions in brackets [] are in millimeters. Refer to 127-7563A1 for more information.

