

Model Number	PERFORMANCE SPECIFICATIONS	DOC NO PS7506A2	
7506A2	PERFORMANCE SPECIFICATIONS		
	VARIABLE CAPACITANCE ACCELEROMETER	DEV A ECN 11762 02/12/15	



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

		ENGLISH		SI	
PHYSICAL		-	¬ .		7
Weight, Max		2.5	OZ	70	grams
Connector [2]	Type	Receptacle, 3-pin		Receptacle, 3-pin	1
Mounting	Thru Holes	2 X Ø.125		2 X Ø.125	
Material		300 Series S.S.	_	300 Series S.S.	<u> </u>
PERFORMANCE					_
Input Range		±400	g	±3924	m/s ²
Frequency Response (-3	dB), ± 50Hz [1]	0-300	Hz	0-300	Hz
Sensitivity Differential, ±1	0%	13	μA/g	1.3	μA/m/s ²
Output Noise, Differential	,Тур	400	μ g rms/√ Hz	3924	μ m/s²/√ Hz
Non-Linearity, Max [4]		0.5	% F.S	0.5	% F.S
Transverse Sensitivity, M		2	%	2	%
Scale Factor Calibration Error, Max		2	%	2	%
Zero Measured Output		±50	mV	±50	mV
ENVIRONMENTAL					
Maximum Mechanical Sh	ock	5000	gpk	49050	m/s² peak
Bias Temperature Shift ,	Max [3]	56	(ppm of span)/°F	100	(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 Impedence,Nom		400	Ω	400	Ω
Operating Voltage		10-36	VDC	10-36	VDC
Full Scale Output		±5	mA	±5	mA
Power Supply Rejection F	Ratio	>65	dB	>65	dB

This family also includes:									
Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±10% (µA/g)	Max.Shock (gpk)	Noise Differential (μg rms/vHz)				
7506A1	± 50	0-300	100	5000	50				

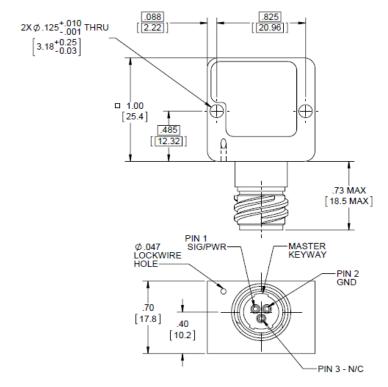
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Low pass first order filter, corner frequency at 300Hz.
- [2] Glenair P/N 805-006-13Z18-23PA. Mates with 805-001-16Z18-23SA and 805-002-16Z18-23SA
- [3] Over the rated temperature range.
- [4] -90% to +90% of Full Scale.



Units on the line drawing are in inches, dimensions in brackets [] are in millimeters. Refer to 127-7506A1 for more information.

