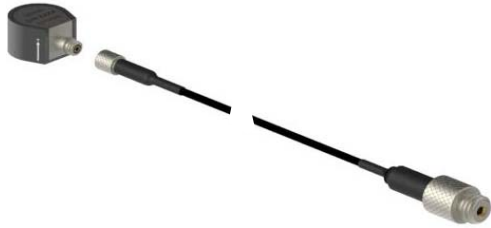


MODEL NUMBER 3310A	PERFORMANCE SPECIFICATION	DOC NO. PS3310A
	CHARGE MODE ACCELEROMETER	REV D, ECN 13405, 04/11/17



- MINIATURE SIZE
- REMOVABLE CABLE
- HERMETICALLY SEALED

PHYSICAL

Weight
Mounting Provision
Connector [2]
Case Material
Sensing Element Type

ENGLISH		SI	
0.063	oz	1.8	grams
[1]		[1]	
3-56 UNF-2A		3-56 UNF-2A	
Titanium		Titanium	
Single Crystal		Single Crystal	

PERFORMANCE

Sensitivity [3] [4]
Range F.S
Frequency Response, +/- 3dB
Frequency Response, +/- 10%
Frequency Response, +/- 5%
Mounted Resonant Frequency
Amplitude Non-Linearity
Transverse Sensitivity, Max
Strain Sensitivity @250/μσ

ENGLISH		SI	
1.0 - 1.3	pC/g	0.10 - 0.13	pC / m/s ²
+/-3000	g/με	+/-29,430	m/s ²
[5] to 20,000	Hz	[5] to 15,000	Hz
[5] to 10,000	Hz	[5] to 10,000	Hz
[5] to 7,000	Hz	[5] to 5,000	Hz
>45	kHz	>45	kHz
1	%F.S MAX	1	%F.S MAX
5	%	5	%
0.00012	g/με	0.0012	m/s ² /με

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

ENGLISH		SI	
4000	g rms	39200	m/s ² rms
5000	g	49000	m/s ²
-60 to +500	°F	-51 to +260	°C
Hermetic		Hermetic	

ELECTRICAL

Output Signal Polarity
Isolation

Positive	Positive
[6]	[6]

This family also includes:

Model	Sensitivity (pC/g)	Range (pC)	Resolution (Grms)	Oper. Temp(°F)

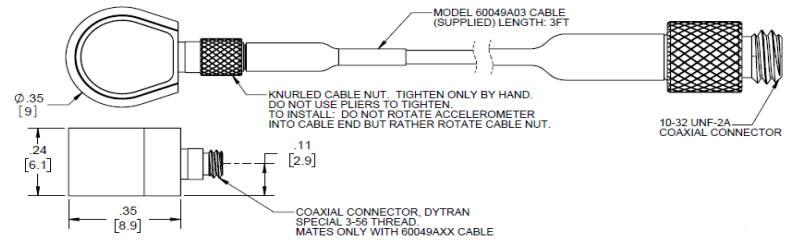
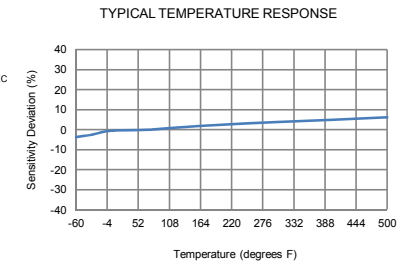
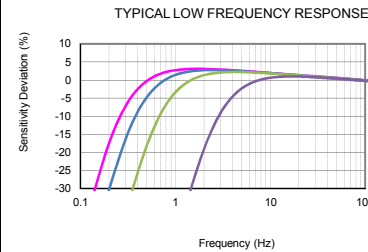
Please, refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories

- 1) Model 6927 installation wrench.
- 2) Accredited calibration certificate (ISO 17025)
- 3) Model 60049A03 removable cable.

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Connector radially mounted. Connector mates only with Dytran cable model 60049XX.
- (XX is length in feet)
- [3] Measured at 100 Hz, 1 G RMS per ISA RP37.2.
- [4] Actual sensitivity is given on a calibration certificate traceable to NIST, supplied with each instrument.
- [5] Low frequency response is depended upon the discharge time constant of the charge amplifier.
- [6] Case grounded unit epoxied into anodized aluminum cup. Dielectric withstanding of <1mA at 1000VDC
- [7] In the interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3310A for more information.



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