Model Number	
3743F11100G	

TRIAXIAL DC RESPONSE ACCELEROMETER

Revision: A ECN #: 53791

ENGLISH	SI					
27 mV/g	$2.75 \text{ mV/(m/s}^2)$ [1]					
± 100 g pk	± 980.7 m/s ² pk					
0 to 1,500 Hz	0 to 1,500 Hz		0 to 1,500 Hz			
0 to 2,500 Hz	0 to 2,500 Hz					
8.5 kHz	8.5 kHz [2]					
< 10 °	< 10 °					
0.3 %	6 0.3 %					
1 %	1 %	[3]				
3 mg rms	0.03 m/s² rms [2]					
1 %	1%					
3 %	3 %					
± 5,000 g pk	± 49,050 m/s² pk					
-65 to +250 °F	-54.0 to +121 ℃					
-65 to +250 °F	-54.0 to +121 ℃					
± 1 %	± 1 %	[4][2]				
± 1 % FSO	± 1 % FSO [4][5][2]		± 1 % FSO [4][5][2]			
.001 g/με	.01 (m/s²)/με [2]					
40 μg/gauss	3.9 (m/s²)/Tesla	[2]				
	5 to 28 VDC					
	≤ 15 mA		≤ 15 mA		≤ 15 mA	
≤ 120 Ohm	≤ 120 Ohm					
± 20 mVDC	± 20 mVDC	[6]				
	1.65 VDC					
		[2]				
	2,943 (μm/s²)/√Hz [2]					
1 5.	2,943 (μm/s²)/√Hz [2]		2,943 (µm/s²)/√Hz [2]			
> 10 ⁸ Ohm	> 10 ⁸ Ohm					
Titanium	Titanium					
Hermetic	Hermetic		Hermetic			
0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3					
	mm					
0.6 oz	17.3 gm					
9-Pin	9-Pin		9-Pin		9-Pin	
Side	Side					
10-32 Female	10-32 Female					
	27 mV/g ± 100 g pk 0 to 1,500 Hz 0 to 2,500 Hz 8.5 kHz < 10 ° 0.3 % 1 % 3 mg rms 1 % 3 % ± 5,000 g pk -65 to +250 °F -65 to +250 °F -65 to +250 °F ± 1 % ± 1 % FSO .001 g/µe 40 µg/gauss 5 to 28 VDC ≤ 15 mA ≤ 120 Ohm ± 20 mVDC 1.65 VDC 300 µg/∨Hz	27 mV/g				

C	ϵ
U	K
\Box	$\mathbf{A}^{[7]}$

All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice.

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Measured at 100 Hz, 10 grms.

[2]Typical.

[3]Zero-based, least-squares, straight line method. [4]-65 to +250 °F, ref. 75 °F (-54 to +121 °C, ref. 24 °C)

[5]FSO= Full Scale Output over the Measurement Range

[6]Offset tolerance is based on 10 ft of 037 test cable.

[7]See PCB Declaration of Conformance PS027 for details.

SUPPLIED ACCESSORIES:

Model 080A12 Adhesive Mounting Base (1)

Model 081B05 Mounting Stud (10-32 to 10-32) (1)

Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)

Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)

Entered: ND	Engineer: NJF	Sales: JM	Approved: BAM	Spec Number:
Date: 05/16/2023	Date: 05/16/2023	Date: 05/16/2023	Date: 05/16/2023	76549



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