

Model Number 3713F112G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: A ECN #: 53791	
Performance Sensitivity(± 3 %) Measurement Range Frequency Range(± 5 %) Frequency Range(± 10 %) Resonant Frequency Phase Response(10 Hz) Non-Linearity(Typical) Non-Linearity(Max) Broadband Resolution(0.5 to 100 Hz) Transverse Sensitivity(Typical) Transverse Sensitivity(Max) Environmental Overload Limit(Shock) Temperature Range(Operating) Temperature Range(Storage) Temperature Coefficient of Sensitivity Zero g Offset Temperature Coefficient Base Strain Sensitivity Magnetic Sensitivity Electrical Excitation Voltage Current Consumption Output Impedance Offset Voltage(0 g) Spectral Noise(1 Hz) Spectral Noise(10 Hz) Spectral Noise(100 Hz) Electrical Isolation(Case) Physical Housing Material Sealing Size (Length x Width x Height) Weight Electrical Connector Electrical Connection Position Mounting Thread	ENGLISH 675 mV/g ± 2 g pk 0 to 250 Hz 0 to 350 Hz 1.2 kHz < 2.5 ° 0.3 % 1 % 0.06 mg rms 1 % 3 % ± 5,000 g pk -65 to +250 °F -65 to +250 °F ± 1 % ± 1 % FSO .001 g/με 40 μg/gauss Titanium Hermetic 0.8 in x 0.8 in x 0.8 in 0.6 oz 9-Pin Side 10-32 Female		SI 68.8 mV/(m/s²) ± 19.6 m/s² pk 0 to 250 Hz 0 to 350 Hz 1.2 kHz < 2.5 ° 0.3 % 1 % 0.0006 m/s² rms 1 % 3 % ± 49,050 m/s² pk -54.0 to +121 °C -54.0 to +121 °C ± 1 % ± 1 % FSO .01 (m/s²)/με 3.9 (m/s²)/Tesla Titanium Hermetic 20.3 mm x 20.3 mm x 20.3 mm 17.3 gm 9-Pin Side 10-32 Female		[1] 	

Model Number 3713F1130G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: A ECN #: 53791	
Performance		ENGLISH		SI	OPTIONAL VERSIONS	
Sensitivity(± 3 %)		45 mV/g		4.59 mV/(m/s ²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 30 g pk		± 294 m/s ² pk		
Frequency Range(± 5 %)		0 to 1,500 Hz		0 to 1,500 Hz		
Frequency Range(± 10 %)		0 to 2,000 Hz		0 to 2,000 Hz		
Resonant Frequency		5.2 kHz		5.2 kHz		
Phase Response(100 Hz)		< 10 °		< 10 °		
Non-Linearity(Typical)		0.3 %		0.3 %		
Non-Linearity(Max)		1 %		1 %		
Broadband Resolution(0.5 to 100 Hz)		0.9 mg rms		0.009 m/s ² rms		
Transverse Sensitivity		1 %		1 %		
Transverse Sensitivity(Max)		3 %		3 %		
Environmental						
Overload Limit(Shock)		± 5,000 g pk		± 49,050 m/s ² pk		
Temperature Range(Operating)		-65 to +250 °F		-54 to +121 °C		
Temperature Range(Storage)		-65 to +250 °F		-54.0 to +121 °C		
Temperature Coefficient of Sensitivity		± 1 %		± 1 %	[4][2]	
Zero g Offset Temperature Coefficient		± 1 % FSO		± 1 % FSO	[4][5][2]	
Base Strain Sensitivity		0.001 g/µε		0.01 (m/s ²)/µε	[2]	
Magnetic Sensitivity		40 µg/gauss		3.9 (m/s ²)/Tesla	[2]	
Electrical						
Excitation Voltage		5 to 28 VDC		5 to 28 VDC		
Current Consumption		≤ 15 mA		≤ 15 mA		
Output Impedance		≤ 120 Ohm		≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC		± 20 mVDC	[6]	
Spectral Noise(1 Hz)		90 µg/√Hz		883 (µm/s ²)/√Hz	[2]	
Spectral Noise(10 Hz)		90 µg/√Hz		883 (µm/s ²)/√Hz	[2]	
Spectral Noise(100 Hz)		90 µg/√Hz		883 (µm/s ²)/√Hz	[2]	
Electrical Isolation(Case)		> 10 ⁸ Ohm		> 10 ⁸ Ohm		
Physical						
Housing Material		Titanium		Titanium		
Sealing		Hermetic		Hermetic		
Size (Length x Width x Height)		0.8 in x 0.8 in x 0.8 in		20.3 mm x 20.3 mm x 20.3 mm		
Weight		0.6 oz		17.3 gm		
Electrical Connector		9-Pin		9-Pin		
Electrical Connection Position		Side		Side		
Mounting Thread		10-32 Female		10-32 Female		
						
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.						

Model Number 3713F1150G		TRIAxIAL DC RESPONSE ACCELEROMETER			Revision: A ECN #: 53791	
Performance		ENGLISH		SI	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.	
Sensitivity(± 3 %)		27 mV/g		2.8 mV/(m/s ²)		[1]
Measurement Range		± 50 g pk		± 490 m/s ² pk		
Frequency Range(± 5 %)		0 to 1,500 Hz		0 to 1,500 Hz		
Frequency Range(± 10 %)		0 to 2,000 Hz		0 to 2,000 Hz		
Resonant Frequency		6.5 kHz		6.5 kHz		[2]
Phase Response(100 Hz)		< 10 °		< 10 °		
Non-Linearity(Typical)		0.3 %		0.3 %		[3]
Non-Linearity(Max)		1 %		1 %		[3]
Broadband Resolution(0.5 to 100 Hz)		1.5 mg rms		0.015 m/s ² rms		[2]
Transverse Sensitivity(Typical)		1 %		1 %		
Transverse Sensitivity(Max)		3 %		3 %		
Environmental						
Overload Limit(Shock)		± 5,000 g pk		± 49,050 m/s ² pk		
Temperature Range(Operating)		-65 to +250 °F		-54.0 to +121 °C		
Temperature Range(Storage)		-65 to +250 °F		-54.0 to +121 °C		
Temperature Coefficient of Sensitivity		± 1 %		± 1 %		[4][2]
Zero g Offset Temperature Coefficient		± 1 % FSO		± 1 % FSO		[4][5][2]
Base Strain Sensitivity		0.001 g/μϵ		0.01 (m/s ²)/μϵ		[2]
Magnetic Sensitivity		40 μg/gauss		3.9 (m/s ²)/Tesla		[2]
Electrical						
Excitation Voltage		5 to 28 VDC		5 to 28 VDC		
Current Consumption		≤ 15 mA		≤ 15 mA		
Output Impedance		≤ 120 Ohm		≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC		± 20 mVDC		[6]
Spectral Noise(1 Hz)		150 μg/√Hz		1,472 (μm/s ²)/√Hz		[2]
Spectral Noise(10 Hz)		150 μg/√Hz		1,472 (μm/s ²)/√Hz		[2]
Spectral Noise(100 Hz)		150 μg/√Hz		1,472 (μm/s ²)/√Hz		[2]
Electrical Isolation(Case)		> 10 ⁸ Ohm		> 10 ⁸ Ohm		
Physical						
Housing Material		Titanium		Titanium		
Sealing		Hermetic		Hermetic		
Size (Length x Width x Height)		0.8 in x 0.8 in x 0.8 in		20.3 mm x 20.3 mm x 20.3 mm		
Weight		0.6 oz		17.3 gm		
Electrical Connector		9-Pin		9-Pin		
Electrical Connection Position		Side		Side		
Mounting Thread		10-32 Female		10-32 Female		
CE UK CA [7]						
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 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)						
Entered: ND		Engineer: NJF		Sales: JM	Approved: BAM	Spec Number:
Date: 05/15/2023		Date: 05/15/2023		Date: 05/15/2023	Date: 05/15/2023	70526
PCB PIEZOTRONICS AN AMPHENOL COMPANY Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043						
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.						

Model Number 3713F11100G	TRIAxIAL DC RESPONSE ACCELEROMETER				Revision: A ECN #: 53791
Performance		ENGLISH	SI		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.
Sensitivity(± 3 %)		13.5 mV/g	1.38 mV/(m/s ²)	[1]	
Measurement Range		± 100 g pk	± 981 m/s ² pk		
Frequency Range(± 5 %)		0 to 1,500 Hz	0 to 1,500 Hz		
Frequency Range(± 10 %)		0 to 2,500 Hz	0 to 2,500 Hz		
Resonant Frequency		8.5 kHz	8.5 kHz	[2]	
Phase Response(100 Hz)		< 10 °	< 10 °		
Non-Linearity(Typical)		0.3 %	0.3 %	[3]	
Non-Linearity(Max)		1 %	1 %	[3]	
Broadband Resolution(0.5 to 100 Hz)		3 mg rms	0.03 m/s ² rms	[2]	
Transverse Sensitivity(Typical)		1 %	1 %		
Transverse Sensitivity(Max)		3 %	3 %		
Environmental					
Overload Limit(Shock)		± 5,000 g pk	± 49,050 m/s ² pk		
Temperature Range(Operating)		-65 to +250 °F	-54.0 to +121 °C		
Temperature Range(Storage)		-65 to +250 °F	-54.0 to +121 °C		
Temperature Coefficient of Sensitivity		± 1 %	± 1 %	[4][2]	
Zero g Offset Temperature Coefficient		± 1 % FSO	± 1 % FSO	[4][5][2]	
Base Strain Sensitivity		0.001 g/με	0.01 (m/s ²)/με	[2]	
Magnetic Sensitivity		40 μg/gauss	3.9 (m/s ²)/Tesla	[2]	
Electrical					
Excitation Voltage		5 to 28 VDC	5 to 28 VDC		
Current Consumption		≤ 15 mA	≤ 15 mA		
Output Impedance		≤ 120 Ohm	≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]	
Spectral Noise		300 μg/√Hz	2,943 (μm/s ²)/√Hz	[2]	
Spectral Noise(10 Hz)		300 μg/√Hz	2,943 (μm/s ²)/√Hz	[2]	
Spectral Noise(100 Hz)		300 μg/√Hz	2,943 (μm/s ²)/√Hz	[2]	
Electrical Isolation(Case)		> 10 ⁸ Ohm	> 10 ⁸ Ohm		
Physical					
Housing Material		Titanium	Titanium		
Sealing		Hermetic	Hermetic		
Size (Length x Width x Height)		0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3 mm		
Weight		0.6 oz	17.3 gm		
Electrical Connector		9-Pin	9-Pin		
Electrical Connection Position		Side	Side		
Mounting Thread		10-32 Female	10-32 Female		
					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 Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)
Entered: ND		Engineer: NJF	Sales: JM	Approved: BAM	Spec Number:
Date: 05/15/2023		Date: 05/15/2023	Date: 05/15/2023	Date: 05/15/2023	70527
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.		 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com			
		3425 Walden Avenue, Depew, NY 14043			

Model Number 3713F11200G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: B ECN #: 55620	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 3 %)		6.75 mV/g	0.69 mV/(m/s ²)	[1]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 200 g pk	± 1,962 m/s ² pk			
Frequency Range(± 5 %)		0 to 1,500 Hz	0 to 1,500 Hz			
Frequency Range(± 10 %)		0 to 2,500 Hz	0 to 2,500 Hz			
Resonant Frequency		11.8 kHz	11.8 kHz	[2]		
Phase Response(100 Hz)		< 10 °	< 10 °			
Non-Linearity(Typical)		0.3 %	0.3 %	[3]		
Non-Linearity(Max)		1 %	1 %	[3]		
Broadband Resolution(0.5 to 100 Hz)		6 mg rms	0.6 m/s ² rms	[2]		
Transverse Sensitivity(Typical)		1 %	1 %			
Transverse Sensitivity(Max)		3 %	3 %			
Environmental						
Overload Limit(Shock)		± 5,000 g pk	± 49,050 m/s ² pk			
Temperature Range(Operating)		-65 to +250 °F	-54.0 to +121 °C			
Temperature Range(Storage)		-65 to +250 °F	-54.0 to 121 °C			
Temperature Coefficient of Sensitivity		± 1 %	± 1 %	[4][2]		
Zero g Offset Temperature Coefficient		± 1 % FSO	± 1 % FSO	[4][5][2]		
Base Strain Sensitivity		.001 g/με	.01 (m/s ²)/με	[2]		
Magnetic Sensitivity		40 μg/gauss	3.9 (m/s ²)/Tesla	[2]		
Electrical						
Excitation Voltage		5 to 28 VDC	5 to 28 VDC			
Current Consumption		≤ 15 mA	≤ 15 mA			
Output Impedance		≤ 120 Ohm	≤ 120 Ohm			
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]		
Spectral Noise(1 Hz)		600 μg/√Hz	5,886 (μm/s ²)/√Hz	[2]		
Spectral Noise(10 Hz)		600 μg/√Hz	5,886 (μm/s ²)/√Hz	[2]		
Spectral Noise(100 Hz)		600 μg/√Hz	5,886 (μm/s ²)/√Hz	[2]		
Electrical Isolation(Case)		> 10 ⁸ Ohm	> 10 ⁸ Ohm			
Physical						
Housing Material		Titanium	Titanium			
Sealing		Hermetic	Hermetic			
Size (Length x Width x Height)		0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3 mm			
Weight		0.6 oz	17.3 gm			
Electrical Connector		9-Pin	9-Pin			
Electrical Connection Position		Side	Side			
Mounting Thread		10-32 Female	10-32 Female			
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.						
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)						

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.