

Model Number 3743G112G		TRIAxIAL DC RESPONSE ACCELEROMETER		Revision: A ECN #: 55463	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 3 %)		1,350 mV/g	137.6 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		± 2 g pk	± 19.6 m/s ² pk		
Frequency Range(± 5 %)		0 to 250 Hz	0 to 250 Hz		
Frequency Range(± 10 %)		0 to 350 Hz	0 to 350 Hz		
Resonant Frequency		1.2 kHz	1.2 kHz		
Phase Response(10 Hz)		< 2.5 °	< 2.5 °		
Non-Linearity(Typical)		0.3 %	0.3 %		
Non-Linearity(Max)		1 %	1 %		
Broadband Resolution(0.5 to 100 Hz)		0.06 mg rms	0.0006 m/s ² rms		
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 %		
Zero g Offset Temperature Coefficient		± 1 % FSO	± 1 % FSO		
Base Strain Sensitivity		.001 g/με	.01 (m/s ²)/με		
Magnetic Sensitivity		40 μg/gauss	3.9 (m/s ²)/Tesla		
Electrical					
Excitation Voltage		5 to 32 VDC	5 to 32 VDC		
Current Consumption		≤ 15 mA	≤ 15 mA		
Output Impedance		≤ 120 Ohm	≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC		
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC		
Spectral Noise(1 Hz)		6 μg/√Hz	59 (μm/s ²)/√Hz		
Spectral Noise(10 Hz)		6 μg/√Hz	59 (μm/s ²)/√Hz		
Spectral Noise(100 Hz)		6 μg/√Hz	59 (μm/s ²)/√Hz		
Electrical Isolation(Case)		> 10 ⁸ Ohm	> 10 ⁸ Ohm		
Physical					
Housing Material		Stainless Steel	Stainless Steel		
Sealing		Hermetic	Hermetic		
Size (Length x Width x Height)		0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm		
Weight		0.92 oz	26 gm		
Electrical Connector		8-Pin	8-Pin		
Electrical Connection Position		Side	Side		
Mounting Thread		Through Hole	Through Hole		
				NOTES:	
				[1]Measured at 5 Hz, 0.5 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 10ft of 528 test cable.	
				[7]See PCB Declaration of Conformance PS027 for details.	
				SUPPLIED ACCESSORIES:	
				Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2)	
				Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)	
		Entered: ND		Engineer: JJD	
		Date: 01/09/2025		Date: 01/09/2025	
		Sales: JM		Approved: NJF	
		Date: 01/09/2025		Date: 01/09/2025	
				Spec Number: 79079	
					
		Phone: 716-684-0001			
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		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.

This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit <http://www.pcb.com>

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Model Number 3743G115G		TRIAxIAL DC RESPONSE ACCELEROMETER			Revision: A ECN #: 55463	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 3 %)		540 mV/g	55.0 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		± 5 g pk	± 49.0 m/s ² pk			
Frequency Range(± 5 %)		0 to 700 Hz	0 to 700 Hz			
Frequency Range(± 10 %)		0 to 1,000 Hz	0 to 1,000 Hz			
Resonant Frequency		1.9 kHz	1.9 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)		0.15 mg rms	0.0015 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 32 VDC	5 to 32 VDC			
Current Consumption		≤ 15 mA	≤ 15 mA			
Output Impedance		≤ 120 Ohm	≤ 120 Ohm			
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]		
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC			
Spectral Noise(1 Hz)		15 μg/√Hz	147 (μm/s ²)/√Hz	[2]		
Spectral Noise(10 Hz)		15 μg/√Hz	147 (μm/s ²)/√Hz	[2]		
Spectral Noise(100 Hz)		15 μg/√Hz	147 (μm/s ²)/√Hz	[2]		
Electrical Isolation(Case)		> 10 ⁸ Ohm	> 10 ⁸ Ohm			
Physical						
Housing Material		Stainless Steel	Stainless Steel			
Sealing		Hermetic	Hermetic			
Size (Length x Width x Height)		0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm			
Weight		0.92 oz	26 gm	[2]		
Electrical Connector		8-Pin	8-Pin			
Electrical Connection Position		Side	Side			
Mounting Thread		Through Hole	Through Hole			
NOTES: [1]Measured at 100 Hz, 1 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 10ft of 528 test cable. [7]See PCB Declaration of Conformance PS027 for details.						
SUPPLIED ACCESSORIES: Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2) Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)						
Entered: ND		Engineer: JJD		Sales: JM		Approved: NJF
Date: 01/09/2025		Date: 01/09/2025		Date: 01/09/2025		Date: 01/09/2025
						79080
		 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com AN AMPHENOL COMPANY				
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Model Number 3743G122G		TRIAxIAL DC RESPONSE ACCELEROMETER			Revision: NR ECN #: 55341	
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 %)	1,350 mV/g	137.6 mV/(m/s²)	[1]			
Measurement Range	± 2 g pk	± 19.6 m/s² pk				
Frequency Range(± 5 %)	0 to 250 Hz	0 to 250 Hz				
Frequency Range(± 10 %)	0 to 350 Hz	0 to 350 Hz				
Resonant Frequency	1.2 kHz	1.2 kHz	[2]			
Phase Response(10 Hz)	< 2.5 °	< 2.5 °				
Non-Linearity(Typical)	0.3 %	0.3 %	[3]			
Non-Linearity(Max)	1 %	1 %	[3]			
Broadband Resolution(0.5 to 100 Hz)	0.06 mg rms	0.0006 m/s² rms	[2]			
Transverse Sensitivity(Typical)	1 %	1 %				
Transverse Sensitivity(Max)	3 %	3 %				
Environmental						
Overload Limit(Shock)	± 5,000 g pk	± 49,050 m/s² 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/s²)/µε	[2]			
Magnetic Sensitivity	40 equiv. µg/gauss	3.9 (m/s²)/Tesla	[2]			
Electrical						
Excitation Voltage	5 to 32 VDC	5 to 32 VDC				
Current Consumption	≤ 15 mA	≤ 15 mA				
Output Impedance	≤ 120 Ohm	≤ 120 Ohm				
Offset Voltage(0 g)	± 20 mVDC	± 20 mVDC	[6]			
Common Mode Voltage(+/- 0.1 VDC)	1.65 VDC	1.65 VDC				
Spectral Noise(1 Hz)	6 µg/√Hz	59 (µm/s²)/√Hz	[2]			
Spectral Noise(10 Hz)	6 µg/√Hz	59 (µm/s²)/√Hz	[2]			
Spectral Noise(100 Hz)	6 µg/√Hz	59 (µm/s²)/√Hz	[2]			
Electrical Isolation(Case)	> 10 ⁸ Ohm	> 10 ⁸ Ohm				
Physical						
Housing Material	Stainless Steel	Stainless Steel				
Sealing	IP67	IP67				
Size (Length x Width x Height)	0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm				
Weight	0.92 oz	26.1 gm	[2]			
Accelerometer, Excluding Cable	0.30 oz/ft	27.6 gm/m	[2]			
Electrical Connector	Integral Cable	Integral Cable				
Electrical Connection Position	Side	Side				
Cable Type	037 10-cond Shielded	037 10-cond Shielded				
Mounting Thread	Through Hole	Through Hole				
NOTES:						
[1]Measured at 5 Hz, 0.5 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 10ft of 528 test cable.						
[7]See PCB Declaration of Conformance PS027 for details.						
SUPPLIED ACCESSORIES:						
Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2)						
Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)						
Entered: NDEngineer: JJDSales: JMApproved: NJFSpec Number: Date: 12/17/2024Date: 12/17/2024Date: 12/17/2024Date: 12/17/202479897  Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com AN AMPHENOL COMPANY 3425 Walden Avenue, Depew, NY 14043						



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Model Number 3743G125G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: NR ECN #: 55341	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 3 %)		540 mV/g	55.0 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		± 5 g pk	± 49.0 m/s ² pk			
Frequency Range(± 5 %)		0 to 700 Hz	0 to 700 Hz			
Frequency Range(± 10 %)		0 to 1,000 Hz	0 to 1,000 Hz			
Resonant Frequency		1.9 kHz	1.9 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)		0.15 mg rms	0.0015 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 32 VDC	5 to 32 VDC			
Current Consumption		≤ 15 mA	≤ 15 mA			
Output Impedance		≤ 120 Ohm	≤ 120 Ohm			
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]		
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC			
Spectral Noise(1 Hz)		15 μg/√Hz	147 (μm/s ²)/√Hz	[2]		
Spectral Noise(10 Hz)		15 μg/√Hz	147 (μm/s ²)/√Hz	[2]		
Spectral Noise(100 Hz)		15 μg/√Hz	147 (μm/s ²)/√Hz	[2]		
Electrical Isolation(Case)		> 10 ⁸ Ohm	> 10 ⁸ Ohm			
Physical						
Housing Material		Stainless Steel	Stainless Steel			
Sealing		IP67	IP67			
Size (Length x Width x Height)		0.76 in x 1.03 in x .66 in	19.3 mm x 26.2 mm x 16.8 mm			
Weight		0.92 oz	26.1 gm	[2]		
Accelerometer, Excluding Cable		0.30 oz/ft	27.6 gm/m	[2]		
Electrical Connector		Integral Cable	Integral Cable			
Electrical Connection Position		Side	Side			
Cable Type		037 10-cond Shielded	037 10-cond Shielded			
Mounting Thread		Through Hole	Through Hole			
					NOTES:	
					[1]Measured at 100 Hz, 1 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 10ft of 528 test cable.	
					[7]See PCB Declaration of Conformance PS027 for details.	
					SUPPLIED ACCESSORIES:	
					Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2)	
					Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)	

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Model Number 3743G1150G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: A ECN #: 55463	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 3 %)		54 mV/g	5.5 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		± 50 g pk	± 490.5 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		.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 32 VDC	5 to 32 VDC			
Current Consumption		≤ 15 mA	≤ 15 mA			
Output Impedance		≤ 120 Ohm	≤ 120 Ohm			
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]		
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC			
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		Stainless Steel	Stainless Steel			
Sealing		Hermetic	Hermetic			
Size (Length x Width x Height)		0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm			
Weight		0.92 oz	26 gm	[2]		
Electrical Connector		8-Pin	8-Pin			
Electrical Connection Position		Side	Side			
Mounting Thread		Through Hole	Through Hole			
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 10ft of 528 test cable. [7]See PCB Declaration of Conformance PS027 for details.						
SUPPLIED ACCESSORIES: Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2) Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)						
Entered: ND		Engineer: JJD		Sales: JM		Approved: NJF
Date: 01/09/2025		Date: 01/09/2025		Date: 01/09/2025		Date: 01/09/2025
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Model Number 3743G1210G		TRIAXIAL DC RESPONSE ACCELEROMETER		Revision: NR ECN #: 55341	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 3 %)		270 mV/g	27.5 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		± 10 g pk	± 98.1 m/s ² pk		
Frequency Range(± 5 %)		0 to 1,000 Hz	0 to 1,000 Hz		
Frequency Range(± 10 %)		0 to 1,500 Hz	0 to 1,500 Hz		
Resonant Frequency		3.2 kHz	3.2 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)		0.3 mg rms	0.003 m/s ² rms		
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 32 VDC	5 to 32 VDC		
Current Consumption		≤ 15 mA	≤ 15 mA		
Output Impedance		≤ 120 Ohm	≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]	
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC		
Spectral Noise(1 Hz)		30 µg/√Hz	294 (µm/s ²)/√Hz	[2]	
Spectral Noise(10 Hz)		30 µg/√Hz	294 (µm/s ²)/√Hz	[2]	
Spectral Noise(100 Hz)		30 µg/√Hz	294 (µm/s ²)/√Hz	[2]	
Electrical Isolation(Case)		> 10 ⁸ Ohm	> 10 ⁸ Ohm		
Physical					
Housing Material		Stainless Steel	Stainless Steel		
Sealing		Hermetic	Hermetic		
Size (Length x Width x Height)		0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm		
Weight		0.92 oz	26.1 gm	[2]	
Accelerometer, Excluding Cable		0.30 oz/ft	27.6 gm/m	[2]	
Electrical Connector		Integral Cable	Integral Cable		
Electrical Connection Position		Side	Side		
Cable Type		037 10-cond Shielded	037 10-cond Shielded		
Mounting Thread		Through Hole	Through Hole		
		NOTES: [1] Measured at 100 Hz, 1 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 10ft of 528 test cable. [7] See PCB Declaration of Conformance PS027 for details.			
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		Entered: ND Engineer: JJD Sales: JM Approved: NJF Spec Number: Date: 12/17/2024 Date: 12/17/2024 Date: 12/17/2024 Date: 12/17/2024 79899			
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Model Number 3743G1250G		TRIAXIAL DC RESPONSE ACCELEROMETER		Revision: NR ECN #: 55341	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 3 %)		54 mV/g	5.5 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		± 50 g pk	± 490.5 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		
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)		1.5 mg rms	0.015 m/s ² rms		
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 32 VDC	5 to 32 VDC		
Current Consumption		≤ 15 mA	≤ 15 mA		
Output Impedance		≤ 120 Ohm	≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]	
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC		
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		Stainless Steel	Stainless Steel		
Sealing		IP67	IP67		
Size (Length x Width x Height)		0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm		
Weight		0.92 oz/ft	26.1 gm/m	[2]	
Accelerometer, Excluding Cable		0.30 oz/ft	27.6 gm/m	[2]	
Electrical Connector		Integral Cable	Integral Cable		
Electrical Connection Position		Side	Side		
Cable Type		037 10-cond Shielded	037 10-cond Shielded		
Mounting Thread		Through Hole	Through Hole		
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 10ft of 528 test cable.					
[7]See PCB Declaration of Conformance PS027 for details.					
SUPPLIED ACCESSORIES:					
Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2)					
Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)					
Entered: ND		Engineer: JJD		Sales: JM	
Date: 12/17/2024		Date: 12/17/2024		Date: 12/17/2024	
				Approved: NJF	
				Spec Number:	
				79901	
					
		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.					
This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com					

Model Number 3743G11100G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: A ECN #: 55463		
Performance		ENGLISH	SI		OPTIONAL VERSIONS		
Sensitivity(± 3 %)		27 mV/g	2.75 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		± 100 g pk	± 980.7 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		.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 32 VDC	5 to 32 VDC				
Current Consumption		≤ 15 mA	≤ 15 mA				
Output Impedance		≤ 120 Ohm	≤ 120 Ohm				
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]			
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC				
Spectral Noise(1 Hz)		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		Stainless Steel	Stainless Steel				
Sealing		Hermetic	Hermetic				
Size (Length x Width x Height)		0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm				
Weight		0.92 oz	26 gm	[2]			
Electrical Connector		8-Pin	8-Pin				
Electrical Connection Position		Side	Side				
Mounting Thread		Through Hole	Through Hole				
CE UK CA [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. This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com						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 10ft of 528 test cable. [7]See PCB Declaration of Conformance PS027 for details.	
SUPPLIED ACCESSORIES: Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2) Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)							
Entered: ND		Engineer: JJD		Sales: JM			
Approved: NJF		Spec Number:					
Date: 01/09/2025		Date: 01/09/2025		Date: 01/09/2025			
Date: 01/09/2025		Date: 01/09/2025		79001			
 PCB PIEZOTRONICS AN AMPHENOL COMPANY Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043							

Model Number 3743G11200G		TRIAxIAL DC RESPONSE ACCELEROMETER		Revision: A ECN #: 55463	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 3 %)		13.5 mV/g	1.38 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		± 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	0.06 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 32 VDC	5 to 32 VDC		
Current Consumption		≤ 15 mA	≤ 15 mA		
Output Impedance		≤ 120 Ohm	≤ 120 Ohm		
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]	
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC		
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		Stainless Steel	Stainless Steel		
Sealing		Hermetic	Hermetic		
Size (Length x Width x Height)		0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm		
Weight		0.92 oz	26 gm	[2]	
Electrical Connector		8-Pin	8-Pin		
Electrical Connection Position		Side	Side		
Mounting Thread		Through Hole	Through Hole		



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.
This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit <http://www.pcb.com>

Model Number 3743G12100G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: NR ECN #: 55341	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 3 %)		27 mV/g	2.75 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		± 100 g pk	± 980.7 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		.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 32 VDC	5 to 32 VDC			
Current Consumption		≤ 15 mA	≤ 15 mA			
Output Impedance		≤ 120 Ohm	≤ 120 Ohm			
Offset Voltage(0 g)		± 20 mVDC	± 20 mVDC	[6]		
Common Mode Voltage(+/- 0.1 VDC)		1.65 VDC	1.65 VDC			
Spectral Noise(1 Hz)		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		Stainless Steel	Stainless Steel			
Sealing		IP67	IP67			
Size (Length x Width x Height)		0.76 in x 1.03 in x .66 in	19.3 mm x 26.2 mm x 16.8 mm			
Weight		0.92 oz	26.1 gm/m	[2]		
Accelerometer, Excluding Cable		0.30 oz/ft	27.6 gm/m	[2]		
Electrical Connector		Integral Cable	Integral Cable			
Electrical Connection Position		Side	Side			
Cable Type		037 10-cond Shielded	037 10-cond Shielded			
Mounting Thread		Through Hole	Through Hole			
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 10ft of 528 test cable. [7]See PCB Declaration of Conformance PS027 for details.						
SUPPLIED ACCESSORIES: Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2) Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)						
Entered: ND		Engineer: JJD		Sales: JM		Approved: NJF
Date: 12/17/2024		Date: 12/17/2024		Date: 12/17/2024		Date: 12/17/2024
						79902
		 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com AN AMPHENOL COMPANY				
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. This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com		3425 Walden Avenue, Depew, NY 14043				

Model Number 3743G12200G		TRIAXIAL DC RESPONSE ACCELEROMETER			Revision: NR ECN #: 55341
Performance		ENGLISH	SI	[1]	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)			
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	0.06 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 32 VDC	5 to 32 VDC			
Current Consumption	≤ 15 mA	≤ 15 mA			
Output Impedance	≤ 120 Ohm	≤ 120 Ohm			
Offset Voltage(0 g)	± 20 mVDC	± 20 mVDC		[6]	
Common Mode Voltage(+/- 0.1 VDC)	1.65 VDC	1.65 VDC			
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					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 10ft of 528 test cable. [7]See PCB Declaration of Conformance PS027 for details.
Housing Material	Stainless Steel	Stainless Steel			
Sealing	IP67	IP67			
Size (Length x Width x Height)	0.76 in x 1.03 in x 0.66 in	19.3 mm x 26.2 mm x 16.8 mm			
Weight	0.92 oz	26.1 gm		[2]	
Accelerometer, Excluding Cable	0.30 oz/ft	27.6 gm/m		[2]	
Electrical Connector	Integral Cable	Integral Cable			
Electrical Connection Position	Side	Side			
Cable Type	037 10-cond Shielded Through Hole	037 10-cond Shielded Through Hole			
Mounting Thread					
SUPPLIED ACCESSORIES: Model 081A135 Mounting screw and washer, 4-40 x 7/8" thread (2) Model ACS-172T Triaxial Phase and Amplitude Calibration from 5 Hz to +5% frequency range (1)					
Entered: ND	Engineer: JJD	Sales: JM	Approved: NJF	Spec Number:	
Date: 12/17/2024	Date: 12/17/2024	Date: 12/17/2024	Date: 12/17/2024	79903	
Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com AN AMPHENOL COMPANY 3425 Walden Avenue, Depew, NY 14043					