

EXM608A11防爆压电式及速度传感器

产品名称	EXM608A11防爆压电式及速度传感器
公司名称	上海持承自动化设备有限公司
价格	98.00/个
规格参数	PCB:100 mV/g EXM608: ± 50 g 美国:30 to 600000
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产品详情

EXM608A11防爆压电式及速度传感器

Intrinsically-safe, low-cost, general purpose, industrial ceramic shear ICP accel, 100 mV/g, 0.5 to 10k Hz, top exit, 10-ft integral cable, single point ISO 17025 accredited calibration

Sensitivity: (± 15%) 100 mV/g (10.2 mV/(m/s))

Frequency Range: (± 3dB) 30 to 600000 cpm (0.5 to 10000 Hz)

Sensing Element: Ceramic

Measurement Range: ± 50 g (± 490 m/s)

Weight: 3.5 oz (99.3 gm)

All specifications are at room temperature unless otherwise specified.

Product Notes

[1] Conversion Factor 1g = 9.81 m/s.[2] Zero-based, least-squares, straight line method.[3] Typical.[4] Twisted shielded pair.[5] 1/4-28 has no equivalent in S.I. units.[6] See PCB Declaration of Conformance PS023 or PS060 for details.

Accessories:

Supplied

081AMou (1)

40 nting

Stud

ICS- NIS (1)

2 T-tra

ceabl

e sin

gle-p

oint

ampl

itude

resp

onse

calib

ratio

n at

6000

cpm

(100

Hz)

for

each

axis

Optional Versions:

(EX) Hazardous Area Approval- contact factory for specific approvals

	ENGLISH	SI
Hazardous Area Approval	EEx nL IIC T4, -40 ° C<=Ta<=121 ° C, II 3 G	
Hazardous Area Approval	EEx nL IIC T4, -40 ° C<=Ta<=121 ° C, II 1 G	
Hazardous Area Approval	CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I	
Hazardous Area Approval	CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4	
Hazardous Area Approval	Ex ia IIC T4, AExia IIC, T4	

(LB) Low Bias Voltage

	ENGLISH		SI
Output Bias Voltage		4.8 to 6.5	
Excitation Voltage		12 to 28	
Measurement Range	± 10		± 98

(M) Metric Mount

ENGLISH	SI
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Accessories:

M08 Mou (
1A61nting1
Stud)

(TO) Temperature Output

	ENGLISH	SI	
Temperature Scale Factor	5.56 mV/ ° F + 32	+10 mV/ ° C	
Electrical Connections (Red)		Acceleration Output	
Electrical Connections (Black)		Ground	
Temperature Output Range	+36 to +250 ° F	+2 to +121 ° C	
Electrical Connector		Molded Integral Cable	
Electrical Connections (White)		Temperature Output	
Environmental			
Embrittlement			
Sensitivity (± 15 %)	100 mV/g	10.2 mV/(m/s)	[1]
Measurement Range	± 50 g	± 490 m/s	
Frequency Range (± 3 dB)	30 to 600000 cpm	0.5 to 10000 Hz	
Resonant Frequency	1320 kcpm	22 kHz	[3]
Broadband Resolution (1 to 10000 Hz)	350 g	3434 m/sec ²	[3]
Non-Linearity	± 1 %	± 1 %	[2]
Transverse Sensitivity	7 %	7 %	
Environmental			
Overload Limit (Shock)	5000 g pk	49050 m/s pk	
Temperature Range	-65 to +250 ° F	-54 to +121 ° C	
Temperature Response	See Graph %/ ° F	See Graph %/ ° F	[3]
Enclosure Rating	IP68	IP68	
Electrical			
Settling Time (within 1% of bias)	2.0 sec	2.0 sec	
Discharge Time Constant	0.3 sec	0.3 sec	
Excitation Voltage	18 to 28 VDC	18 to 28 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	<150 Ohm	<150 Ohm	
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	
Spectral Noise (10 Hz)	8 g/ Hz	78.5 (m/sec ²)/ Hz	[3]
Spectral Noise (100 Hz)	5 g/ Hz	49.1 (m/sec ²)/ Hz	[3]
Spectral Noise (1 kHz)	4 g/ Hz	39.2 (m/sec ²)/ Hz	[3]
Electrical Isolation (Case)	>100000000 Ohm	>100000000 Ohm	
Physical			
Size - Hex	9/16 in	14 mm	
Size - Height	2.5 in	64 mm	
Weight (with cable)	3.5 oz	99.3 gm	
Mounting	Stud	Stud	
Mounting Thread	1/4-28 Female	1/4-28 Female	[5]
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm	
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Molded	Molded	
Electrical Connector	Molded Integral Cable	Molded Integral Cable	
Electrical Connection Position	Top	Top	
Cable Length	10 ft	3 m	

Cable Type

Polyurethane

Polyurethane

[4]