


Model Number EX607A61	HAZARDOUS AREA APPROVED INDUSTRIAL ICP® ACCELEROMETER		Revision F ECN #: 26068								
Performance Sensitivity (±15 %) Measurement Range Frequency Range (±3 dB) Resonant Frequency Broadband Resolution (1 to 10000 Hz) Non-Linearity Transverse Sensitivity	ENGLISH 100 mV/g ±50 g 30 to 600000 cpm 1500 kcpm 350 µg ±1 % ≤7 %	SI 10.2 mV/(m/s ²) ±490 m/s ² 0.5 to 10000 Hz 25 kHz 3434 µm/sec ² ±1 % ≤7 %	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) M - Metric Mount Supplied Accessory: Model M080A159 Mounting stud, 1/2-20 to M6x1 (for Models M607A11 and M607A61) replaces Model 080A156 Notes [1] Typical. [2] Conversion Factor 1g = 9.81 m/s ² . [3] Zero-based, least-squares, straight line method. [4] Measured with mounting stud. [5] 1/4-28 has no equivalent in S.I. units. [6] Stud torque must exceed sensor hex nut torque to ensure proper dismantling. [7] 1/8" hex Allen key required for English version, 4 mm hex Allen key required for Metric version. [8] Stainless steel armor jacket over twisted shielded pair. [9] See PCB Declaration of Conformance PS023 or PS060 for details.								
Environmental Overload Limit (Shock) Temperature Range Enclosure Rating Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval Hazardous Area Approval	5000 g pk -65 to +250 °F IP67 CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4 EEx nL IIC T4, -40°C≤Ta≤121°C, II 3 G EEx nL IIC T4, -40°C≤Ta≤121°C, II 1 G CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I Ex ia IIC T4, AExia IIC, T4	49050 m/s ² pk -54 to +121 °C IP67 CI I, Div 2, Groups A, B, C, D; ExnL IIC T4, AExnA IIC T4 EEx nL IIC T4, -40°C≤Ta≤121°C, II 3 G EEx nL IIC T4, -40°C≤Ta≤121°C, II 1 G CI I, Div I, Groups A, B, C, D; CI II, Div I, Groups E, F, G; CI III, Div I Ex ia IIC T4, AExia IIC, T4	Supplied Accessories 080A156 Mounting Base (1) ICS-2 NIST-traceable single-axis single-point amplitude response calibration at 6000 cpm (100 Hz) ()								
Electrical Settling Time (within 1% of bias) Discharge Time Constant Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Spectral Noise (10 Hz) Spectral Noise (100 Hz) Spectral Noise (1 kHz) Electrical Isolation (Case)	≤2 sec ≥0.3 sec 18 to 28 VDC 2 to 20 mA <150 Ohm 8 to 12 VDC 8 µg/√Hz 5 µg/√Hz 4 µg/√Hz >10 ⁸ Ohm	≤2 sec ≥0.3 sec 18 to 28 VDC 2 to 20 mA <150 Ohm 8 to 12 VDC 78.5 (µm/sec ² /√Hz) 49.1 (µm/sec ² /√Hz) 39.2 (µm/sec ² /√Hz) >10 ⁸ Ohm	[1] [1] [1]								
Physical Size (Hex x Height) Weight (without cable) Mounting Mounting Thread Mounting Torque (stud) Mounting Torque (hex nut) Sensing Element Sensing Geometry Housing Material Sealing Electrical Connector Electrical Connection Position Cable Length Cable Type	9/16 in x 1.0 in 1.1 oz Stud 1/4-28 Male 7 to 8 ft-lb 2 to 5 ft-lb Ceramic Shear Stainless Steel Welded Hermetic Integral Armored Cable Side 10 ft Polyurethane	14 mm x 25.4 mm 31 gm Stud 1/4-28 Male 9.5 to 10.8 Nm 2.7 to 6.8 Nm Ceramic Shear Stainless Steel Welded Hermetic Integral Armored Cable Side 3.0 m Polyurethane	[4] [5] [6][7] [8]								
<table border="1"> <tr> <td>Entered: NJF</td> <td>Engineer: EGY</td> <td>Sales: NJF</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 03/21/2007</td> <td>Date: 03/21/2007</td> <td>Date: 03/21/2007</td> <td>13704</td> </tr> </table>		Entered: NJF	Engineer: EGY	Sales: NJF	Spec Number:	Date: 03/21/2007	Date: 03/21/2007	Date: 03/21/2007	13704		
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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.

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