

| | ENGLISH | SI | |
|-----------------------------------|-----------------------|----------------------------------|--------|
| Performance | | | |
| Measurement Range | 0.0 to 10 g rms | 0.0 to 98.1 m/s ² rms | [1] |
| Output | 4-20 mA | 4-20 mA | |
| Frequency Range(± 10 %) | 180 to 60 kcpm | 3 to 1 kHz | [2][3] |
| Broadband Resolution | 0.05 g rms | 0.49 m/s ² rms | [4] |
| Non-Linearity | ± 1 % | ± 1 % | |
| Environmental | | | |
| Temperature Range | -40 to 185 °F | -40 to 85 °C | |
| Enclosure Rating | IP68 | IP68 | |
| Electrical | | | |
| Excitation Voltage | 12 to 30 VDC | 12 to 30 VDC | |
| Load Resistance | 50(Vs-12) Ohm | 50(Vs-12) Ohm | |
| Settling Time(within 2% of value) | < 15 sec | < 15 sec | |
| Electrical Isolation(Case) | > 10 ⁸ Ohm | > 10 ⁸ Ohm | |
| Physical | | | |
| Size (Hex x Height) | 1.0 in x 2.6 in | 25.4 mm x 66 mm | |
| Weight | 4.7 oz | 131 gm | |
| Mounting Thread | 1/4-28 UNF | No Metric Equivalent | |
| Mounting Torque | 3 to 5 ft-lb | 4 to 7 Nm | |
| Sensing Element | Ceramic | Ceramic | |
| Sensing Geometry | Shear | Shear | |
| Housing Material | Stainless Steel | Stainless Steel | |
| Sealing | Welded Hermetic | Welded Hermetic | |
| Electrical Connector | 2-Pin MIL-C-5015 | 2-Pin MIL-C-5015 | |
| Electrical Connection Position | Top | Top | |
| Electrical Connections(Pin A) | 4-20 mA Pos (+) | 4-20 mA Pos (+) | |
| Electrical Connections(Pin B) | 4-20 mA Neg (-) | 4-20 mA Neg (-) | |

| 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. | | |
| EX - Hazardous Area Approval- contact factory for specific approvals | | |
| Hazardous Area Approval | DIV II, CL I, GRPS A-D, ExnL, AExnA, IIC T4 | DIV II, CL I, GRPS A-D, ExnL, AExnA, IIC T4 |
| Hazardous Area Approval | EEx ia IIC T4, -40°C ≤ Ta ≤ 80°C, II 1 G | EEx ia IIC T4, -40°C ≤ Ta ≤ 80°C, II 1 G |
| Hazardous Area Approval | EEx nL IIC T4, -40°C ≤ Ta ≤ 80°C, II 3 G | EEx nL IIC T4, -40°C ≤ Ta ≤ 80°C, II 3 G |
| Hazardous Area Approval | DIV I, CL I, II, III, GRPS A-G, Exia, AExia, IIC T4 | DIV I, CL I, II, III, GRPS A-G, Exia, AExia, IIC T4 |
| M - Metric Mount Supplied Accessory: Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) replaces Model 081A40 | | |
| RV - Buffered Analog Signal Output - 100 mV/g (±20%) | | |
| Electrical Connector | 3-Pin MIL-C-5015 | 3-Pin MIL-C-5015 |
| Electrical Connections(Pin A) | 4-20 mA Pos (+) | 4-20 mA Pos (+) |
| Electrical Connections(Pin B) | 4-20 mA Neg/Signal Output Neg | 4-20 mA Neg/Signal Output Neg |
| Electrical Connections(Pin C) | Signal Output Pos | Signal Output Pos |

NOTES:
 [1] Conversion Factor 1g = 9.81 m/s².
 [2] Current will fluctuate at frequencies below 5 Hz.
 [3] 1Hz = 60 cpm (cycles per minute).
 [4] Typical.
 [5] See PCB Declaration of Conformance PS039 or PS053 for details.

SUPPLIED ACCESSORIES:
 Model 081A40 Mounting Stud (1)
 Model ICS-4 NIST-traceable single-axis amplitude response calibration from 0 cpm (0 Hz) to upper 10% frequency for 4 - 20 mA output vibration sensor (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.
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| Entered: LK | Engineer: NJF | Sales: MC | Approved: NJF | Spec Number: |
| Date: 02/04/2020 | Date: 02/04/2020 | Date: 02/04/2020 | Date: 02/04/2020 | 27955 |

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