| Model Number | IN-LINE ICP TO 4-20 MA OUTPUT VELOCITY CONVERTER | Revision: A |
|---|---|---|
| **682A09** | | ECN #: 35125 |

| **Performance** | **ENGLISH** | **SI** |
|---|---|---|
| Input Signal(ICP Accelerometer) | 100 mV/g | 10.2 mV/(m/s²) |
| Frequency Response(-3dB ±2dB) | 600 to 60,000 cpm | 10 to 1000 Hz |
| Measurement Range | 0.0 to 1.0 in/sec pk | 0.0 to 25.4 mm/s pk |
| Output Range | 4 to 20 mA | 4 to 20 mA |
| Broadband Resolution | 0.01 in/sec pk | 0.26 mm/s pk |
| **Environmental** | | |
| Temperature Range | -40 to 185 ℉ | -40 to 85 ℃ |
| Temperature Response(Sensitivity Deviation) | ≤ 15 % | ≤ 15 % |
| **Electrical** | | |
| Excitation Voltage | 20 to 30 VDC | 20 to 30 VDC |
| Electrical Isolation(Case) | $>10^8$ ohm | $>10^8$ ohm |
| Settling Time(within 2% of value) | <60 sec | <60 sec |
| Load Resistance | 50 (Vs-20) ohm | 50 (Vs-20) ohm |
| **Physical** | | |
| Size (Height x Diameter) | 4.0 in x 0.621 in | 101.6 mm x 15.8 mm |
| Weight | 2.5 oz | 71 gm |
| Housing Material | Stainless Steel | Stainless Steel |
| Electrical Connector(#1) | 2-Pin MIL-C-5015 | 2-Pin MIL-C-5015 |
| Electrical Connection Position(#1) | Sensor End | Sensor End |
| Electrical Connections(#1)(Pin A) | AC IN Pos | AC IN Pos |
| Electrical Connections(#1)(Pin B) | AC IN Neg | AC IN Neg |
| Electrical Connector(#2) | 3-Pin MIL-C-5015 | 3-Pin MIL-C-5015 |
| Electrical Connection Position(#2) | Output End | Output End |
| Electrical Connections(#2)(Pin A) | 4-20 mA Pos (+) | 4-20 mA Pos (+) |
| Electrical Connections(#2)(Pin B) | 4-20 mA Neg & AC OUT Neg | 4-20 mA Neg & AC OUT Neg |
| Electrical Connections(#2)(Pin C) | AC OUT Pos | AC OUT Pos |
| Sealing | Welded Hermetic | Welded Hermetic |

*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.*

**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.

| Entered: DMW | Engineer: JSQ | Sales: JMS | Approved: TB | Spec Number: |
|---|---|---|---|---|
| Date: 3/7/2011 | Date: 3/7/2011 | Date: 3/7/2011 | Date: 3/7/2011 | **43341** |

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