

Model Number <b>682A09</b>	<b>IN-LINE ICP TO 4-20 MA OUTPUT VELOCITY CONVERTER</b>	Revision: A ECN #: 35125
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	<u>ENGLISH</u>	<u>SI</u>
<b>Performance</b>		
Input Signal(ICP Accelerometer)	100 mV/g	10.2 mV/(m/s <sup>2</sup> )
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
<b>Environmental</b>		
Temperature Range	-40 to 185 F	-40 to 85 °C
Temperature Response(Sensitivity Deviation)	≤ 15 %	≤ 15 %
<b>Electrical</b>		
Excitation Voltage	20 to 30 VDC	20 to 30 VDC
Electrical Isolation(Case)	>10 <sup>8</sup> ohm	>10 <sup>8</sup> ohm
Settling Time(within 2% of value)	<60 sec	<60 sec
Load Resistance	50 (Vs-20) ohm	50 (Vs-20) ohm
<b>Physical</b>		
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

**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	<b>43341</b>

*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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