




Model Number CS640B92	LOOP POWERED, CURRENT OUTPUT, INDUSTRIAL VIBRATION SENSOR			Revision: NR ECN #: 43155										
Performance	ENGLISH	SI	OPTIONAL VERSIONS											
Measurement Range	0.0 to 2 in/sec pk	0.0 to 50.8 mm/s pk	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.											
Output	4-20 mA	4-20 mA												
Frequency Range(± 3 dB)	180 to 60,000 cpm	3 to 1000 Hz												
Broadband Resolution	0.01 in/sec pk	0.26 mm/s pk												
Non-Linearity	± 1 %	± 1 %	NOTES: [1] Conversion Factor 1 in/sec = 0.0254 m/sec. [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 for details.											
Environmental														
Temperature Range	-40 to 176 °F	-40 to 80 °C												
Hazardous Area Approval	Ex ia, AExia IIC T4	Ex ia, AExia IIC T4												
Hazardous Area Approval	Ex na, AExnA IIC T4	Ex na, AExnA IIC T4												
Hazardous Area Approval	Class I Div 1 Groups A, B, C, D	Class I Div 1 Groups A, B, C, D												
Hazardous Area Approval	Class I Div 2 Groups A, B, C, D	Class I Div 2 Groups A, B, C, D												
Hazardous Area Approval	Class II Div 1 Groups E, F, G	Class II Div 1 Groups E, F, G												
Hazardous Area Approval	Class III	Class III												
Electrical					SUPPLIED ACCESSORIES: 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									
Excitation Voltage	12 to 30 VDC	12 to 30 VDC												
Settling Time(within 2% of value)	<15 sec	<15 sec												
Electrical Isolation(Case)	>10 ⁸ Ohm	>10 ⁸ Ohm												
Physical														
Size (Hex x Height)	3.85 in x 5.52 in	98 mm x 140 mm												
Weight	1.2 lb	544 gm												
Mounting Thread	1/4 NPT	No Metric Equivalent												
Sensing Element	Ceramic	Ceramic												
Sensing Geometry	Shear	Shear												
Housing Material	Stainless Steel	Stainless Steel												
Electrical Connector	Integral Cable	Integral Cable	<table><tr><td>Entered: AP</td><td>Engineer: gs</td><td>Sales: HJB</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 7/7/2014</td><td>Date: 7/7/2014</td><td>Date: 7/7/2014</td><td>Date: 7/7/2014</td><td>59340</td></tr></table>		Entered: AP	Engineer: gs	Sales: HJB	Approved: BAM	Spec Number:	Date: 7/7/2014	Date: 7/7/2014	Date: 7/7/2014	Date: 7/7/2014	59340
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Date: 7/7/2014	Date: 7/7/2014	Date: 7/7/2014			Date: 7/7/2014	59340								
Electrical Connection Position	Top	Top												
Electrical Connections(Positive (+))	18 AWG Red	18 AWG Red												
Electrical Connections(Negative (-))	18 AWG Black	18 AWG Black												
Wire Length	36 in	91.44 cm												
<div><div> [5]  C US</div><div><p>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.</p><p>ICP® is a registered trademark of PCB Group, Inc.</p></div></div>														
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