


Model Number 482B11	LINE POWERED SIGNAL CONDITIONER FOR ICP® SENSORS			Revision: E ECN #: 40512
Performance	<u>ENGLISH</u>	<u>SI</u>	OPTIONAL VERSIONS	
Channels	1	1	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Voltage Gain(± 1 %)	x1 x10 x100	x1 x10 x100		
High Frequency Response(-5 %)(Gain x1)	85 kHz	85 kHz		
High Frequency Response(-5 %)(Gain x10)	85 kHz	85 kHz		
High Frequency Response(-5 %)(Gain x100)	60 kHz	60 kHz		
Fault/Bias Monitor/Meter(meter)	24 VDC FS	24 VDC FS		
Environmental				
Temperature Range	+30 to +130 °F	-1.1 to +54.4 °C		
Electrical				
AC Power(50-400Hz)	105 to 125 VAC	105 to 125 VAC	[1]	
AC Power	0.25 amps	0.25 amps		
Excitation Voltage(To Sensor)	+24 VDC	+24 VDC		
DC Offset(Maximum)	± 30 mV	± 30 mV		
Constant Current Excitation(To Sensor)	2 to 20 mA	2 to 20 mA	[2]	
Discharge Time Constant	3 sec	3 sec		
Spectral Noise(1 Hz)	4.3 µV/√Hz	-107 dB	NOTES: [1] Unit set to 230 VAC when ordered as model F482B11. [2] User adjustable, factory set at 4 mA (± 0.5 mA).	
Spectral Noise(10 Hz)	1.3 µV/√Hz	-118 dB		
Spectral Noise(100 Hz)	0.37 µV/√Hz	-129 dB		
Spectral Noise(1 kHz)	0.16 µV/√Hz	-136 dB		
Spectral Noise(10 kHz)	0.12 µV/√Hz	-138 dB		
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	29 µV	-91 dB		
Spectral Noise(1 Hz)	31 µV/√Hz	-90 dB		
Spectral Noise(10 Hz)	13 µV/√Hz	-98 dB		
Spectral Noise(100 Hz)	3.7 µV/√Hz	-109 dB		
Spectral Noise(1 kHz)	1.8 µV/√Hz	-115 dB		
Spectral Noise(10 kHz)	0.80 µV/√Hz	-122 dB		
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x10)	198 µV	-74 dB		
Spectral Noise(1 Hz)	274 µV/√Hz	-78 dB		
Spectral Noise(10 Hz)	126 µV/√Hz	-88 dB		
Spectral Noise(100 Hz)	39 µV/√Hz	-96 dB		
Spectral Noise(1 kHz)	15 µV/√Hz	-104 dB		
Spectral Noise(10 kHz)	6.6 µV/√Hz	-113 dB		
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x100)	2.2 mV	-71 dB		
Physical				
Electrical Connector(Input, sensor)	BNC Jack	BNC Jack	[1]	
Electrical Connector(Output)	BNC Jack	BNC Jack		
Size (Height x Width x Depth)	4.3 in x 1.8 in x 6.0 in	109.2 mm x 45.7 mm x 152.4 mm		
Weight	2 lb	907.2 gm		
<p><i>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.</i></p>				
<p>ICP® is a registered trademark of PCB Group, Inc.</p>				
			<p>SUPPLIED ACCESSORIES: Model 017AXX Power Cord (1)</p>	
Entered: AP	Engineer: AK	Sales: JJM	Approved: JWH	Spec Number:
Date: 2/5/2013	Date: 2/5/2013	Date: 2/5/2013	Date: 2/5/2013	482-2110-80
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