



Model Number <b>482C05</b>	<b>FOUR-CHANNEL, ICP® SENSOR SIGNAL CONDITIONER</b>			Revision: J ECN #: 43617
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>		<b>OPTIONAL VERSIONS</b>
Channels	4	4		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Sensor Input Type(s)	ICP®	ICP®		
Output Range(Maximum)	± 10 V	± 10 V		
Low Frequency Response(-5 %)	<0.1 Hz	<0.1 Hz	[2][3]	
High Frequency Response(-5 %)	>1000 kHz	>1000 kHz		
Phase Response(at 1 kHz)	± 1 °	± 1 °		
Cross Talk(maximum)	-72 dB	-72 dB		
Fault/Bias Monitor/Meter(LED)	Open/Short/Overload	Open/Short/Overload		
<b>Environmental</b>				
Temperature Range(Operating)	+32 to +120 °F	0 to +50 °C		
<b>Electrical</b>				<b>NOTES:</b>
Power Required(for supplied AC power adaptor)	AC Power	AC Power		[1]User adjustable, factory set at 4 mA (± 0.5 mA). One control adjusts all channels.
Power Required(direct input to unit)	DC power	DC power		[2]With ≥ 1M ohm input impedance of readout device.
AC Power(47 to 63 Hz)	100 to 240 VAC	100 to 240 VAC		[3]Un-buffered output, read out device input impedance affects discharge time constant and low frequency response of unit.
AC Power	≤ 0.7 Amps	≤ 0.7 Amps		[4]Typical.
Excitation Voltage(± 1 VDC)(To Sensor)	+26 VDC	+26 VDC		[5]See PCB Declaration of Conformance PS024 for details.
DC Offset	<20 mV	<20 mV		
DC Power	+32 to 38 VDC	+32 to 38 VDC		
DC Power	<0.25 Amps	<0.25 Amps		
Constant Current Excitation(To Sensor)	2 to 20 mA	2 to 20 mA	[1]	
Overload Threshold(± 1.0 Vpk)	± 10 Vpk	± 10 Vpk		
Discharge Time Constant(0 to 50 %)	>5 sec	>5 sec	[2][3]	
Broadband Electrical Noise(1 to 10,000 Hz)	3.5 µV rms	3.5 µV rms	[4]	
Spectral Noise(1 Hz)	1.30 µV/√Hz	1.30 µV/√Hz	[4]	
Spectral Noise(10 Hz)	0.10 µV/√Hz	0.10 µV/√Hz	[4]	
Spectral Noise(100 Hz)	0.08 µV/√Hz	0.08 µV/√Hz	[4]	
Spectral Noise(1 kHz)	0.07 µV/√Hz	0.07 µV/√Hz	[4]	
Spectral Noise(10 kHz)	0.07 µV/√Hz	0.07 µV/√Hz	[4]	
<b>Physical</b>				<b>SUPPLIED ACCESSORIES:</b>
Electrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack		Model 017AXX Power Cord
Electrical Connector(Output)	BNC Jack	BNC Jack		Model 488B04/NC Power Converter
Electrical Connector(DC Power Input)	5-socket DIN (female)	5-socket DIN (female)		
Size (Height x Width x Depth)	3.2 in x 8.0 in x 5.9 in	8.1 cm x 20 cm x 15 cm		
Weight	1.25 lb	567 gm		
				Entered: AP    Engineer: CPH    Sales: ML    Approved: JWH    Spec Number:
				Date: 1/28/2015    Date: 1/28/2015    Date: 1/28/2015    Date: 1/28/2015 <b>35061</b>
	[5]			
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. ICP® is a registered trademark of PCB Group, Inc.				Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com



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