

Model Number 483C05	EIGHT-CHANNEL, ICP® SENSOR SIGNAL CONDITIONER				Revision: G ECN #: 43617
Performance	ENGLISH	SI			OPTIONAL VERSIONS
Channels	8	8			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			
Environmental					
Temperature Range(Operating)	+32 to +122 °F	0 to +50 °C			
Electrical					NOTES:
Power Required	AC Power	AC Power			[1]User adjustable, factory set at 4 mA (± 0.5 mA). Each control adjusts 4 channels.
AC Power(47 to 63 Hz)	100 to 240 VAC	100 to 240 VAC			[2]With ≥ 1M ohm input impedance of readout device.
AC Power	≤ 0.7 Amps	≤ 0.7 Amps			[3]Un-buffered output, read out device input impedance affects discharge time constant and low frequency response of unit.
Excitation Voltage(± 1 VDC)(To Sensor)	+26 VDC	+26 VDC			[4]Typical.
DC Offset	<20 mV	<20 mV			[5]See PCB Declaration of Conformance PS024 for details.
Constant Current Excitation(To Sensor)	0 to 20 mA	0 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]		
Physical					SUPPLIED ACCESSORIES:
Electrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack			Model 017AXX Power Cord (1)
Electrical Connector(Output)	BNC Jack	BNC Jack			
Electrical Connector(AC Power Input)	IEC 320	IEC 320			
Size (Height x Width x Depth)(nominal)	1.75 in x 19 in x 13.7 in	44.5. mm x 482.6 mm x 348 mm			
Weight	6.25 lb	2.83 kg			
 [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	
				 3425 Walden Avenue, Depew, NY 14043	
Entered: AP		Engineer: CPH		Sales: ML	
Date: 1/28/2015		Date: 1/28/2015		Date: 1/28/2015	
				Approved: JWH	
				Spec Number:	
				Date: 1/28/2015	
				38547	