

Model Number 485B36	USB, DUAL-CHANNEL, ICP® SENSOR SIGNAL CONDITIONER			Revision: B ECN #: 43617
Performance Channels Input Range Frequency Range(± 2 %) Frequency Range(± 5 %) Non-Linearity Voltage Gain(± 0.5 %) Phase Response(± 5 °) Phase Response(± 10 °)	<u>ENGLISH</u> 2 ± 5 V 2 to 50,000 Hz 1 to 50,000 Hz ± 1 % 1:1 5 to 50,000 Hz 1 to 50,000 Hz	<u>SI</u> 2 ± 5 V 2 to 50,000 Hz 1 to 50,000 Hz ± 1 % 1:1 5 to 50,000 Hz 1 to 50,000 Hz	 	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.
Environmental Temperature Range(Operating)	+32 to +122 °F	0 to +50 °C		NOTES: [1]Typical. [2]Un-buffered output, read out device input impedance affects discharge time constant and low frequency response of unit.
Electrical Excitation Voltage(To Sensor) Constant Current Excitation(To Sensor) DC Offset Spectral Noise(1 Hz) Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(1000 Hz) Spectral Noise(10,000 Hz) Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1) Power Required Total Harmonic Distortion(at 100 Hz with full-scale input) DC Power Crosstalk Current Consumption Output Impedance(Parallel) Output Impedance(Series)	18.5 to 20.5 VDC 3.8 to 5.8 mA <80 mV 150 nV/√Hz 50 nV/√Hz 35 nV/√Hz 270 nV/√Hz 210 nV/√Hz 6 μV/rms DC power 0.75 % 5 VDC <-92 dB 69 mA 1.1 MOhm 2.2 μF	18.5 to 20.5 VDC 3.8 to 5.8 mA <80 mV 150 nV/√Hz 50 nV/√Hz 35 nV/√Hz 270 nV/√Hz 210 nV/√Hz 6 μV/rms DC power 0.75 % 5 VDC <-92 dB 69 mA 1.1 MOhm 2.2 μF	 	SUPPLIED ACCESSORIES: Model 009M130 Output cable 3.5mm stereo jack to 3.5mm stereo jack, 1ft long. (1) Model 009M131 Cable output 3.5mm stereo jack to 2 phono plugs/BNC adaptors, 3ft long. (1)
Physical Electrical Connector(Input, sensor) Electrical Connector(Output, scope) Electrical Connector(External Power, DC) Size (Depth x Height x Width) Weight	BNC Jack 3.5 mm Stereo Jack Integral Cable with USB Plug Termination 1.33 in x 1.18 in x 3.67 in 2.5 oz	BNC Jack 3.5 mm Stereo Jack Integral Cable with USB Plug Termination 3.4 cm x 3.0 cm x 9.3 cm 70 gm	 	Entered: AP Engineer: CPH Sales: ML Approved: JWH Spec Number:
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.	Date: 3/17/2015 Date: 3/17/2015 Date: 3/17/2015 Date: 3/17/2015 24305			 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043