

Performance	ENGLISH	SI	
Channels	4	4	
Sensor Input Type(s)	ICP®, Voltage	ICP®, Voltage	[2]
Voltage Gain(± 1 %)(at 500 Hz)	x1, x10, x100	x1, x10, x100	[2]
Output Range(Maximum)	± 10 V	± 10 V	
Low Frequency Response(-5 %)	<0.05 Hz	<0.05 Hz	[5][3]
High Frequency Response(-3 dB)(x100)	>50 kHz	>50 kHz	
High Frequency Response(-5 %)(x100)	>17 kHz	>17 kHz	
High Frequency Response(-5 %)(x1)	>100 kHz	>100 kHz	
High Frequency Response(-5 %)(x10)	>40 kHz	>40 kHz	
High Frequency Response(-3 dB)(x1,x10)	>100 kHz	>100 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 +120 °F	0 to +50 °C	
Electrical			
Power Required(for supplied AC power adaptor)	AC Power	AC Power	
Power Required(direct input to unit)	DC Power	DC Power	
AC Power(47 to 63 Hz)	100 to 240 VAC	100 to 240 VAC	
AC Power	≤ 0.7 Amps	≤ 0.7 Amps	
DC Power	<0.25 Amps	<0.25 Amps	
DC Power	+32 to 38 VDC	+32 to 38 VDC	
Excitation Voltage(± 1 VDC)(To Sensor)	+26 VDC	+26 VDC	
DC Offset	<20 mV	<20 mV	
Constant Current Excitation(To Sensor)	0 to 20 mA	0 to 20 mA	[1]
Overload Threshold(± 1.0 Vpk)	± 10/5 Vpk	± 10/5 Vpk	[2]
Discharge Time Constant(0 to 50 %)	>7 sec	>7 sec	[3]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	5.6 µV rms	5.6 µV rms	[4]
Spectral Noise(1 Hz)	0.67 µV/√Hz	0.67 µV/√Hz	[4]
Spectral Noise(10 Hz)	0.10 µV/√Hz	0.10 µV/√Hz	[4]
Spectral Noise(100 Hz)	0.06 µV/√Hz	0.06 µV/√Hz	[4]
Spectral Noise(1 kHz)	0.06 µV/√Hz	0.06 µV/√Hz	[4]
Spectral Noise(10 kHz)	0.05 µV/√Hz	0.05 µV/√Hz	[4]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x10)	21 µV/rms	21 µV/rms	[4]
Spectral Noise(1 Hz)	5.10 µV/√Hz	5.10 µV/√Hz	[4]
Spectral Noise(10 Hz)	0.60 µV/√Hz	0.60 µV/√Hz	[4]
Spectral Noise(100 Hz)	0.22 µV/√Hz	0.22 µV/√Hz	[4]
Spectral Noise(1 kHz)	0.22 µV/√Hz	0.22 µV/√Hz	[4]
Spectral Noise(10 kHz)	0.19 µV/√Hz	0.19 µV/√Hz	[4]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x100)	165 µV/rms	165 µV/rms	[4]
Spectral Noise(1 Hz)	57 µV/√Hz	57 µV/√Hz	[4]
Spectral Noise(10 Hz)	5.2 µV/√Hz	5.2 µV/√Hz	[4]
Spectral Noise(100 Hz)	1.7 µV/√Hz	1.7 µV/√Hz	[4]
Spectral Noise(1 kHz)	1.8 µV/√Hz	1.8 µV/√Hz	[4]
Spectral Noise(10 kHz)	1.4 µV/√Hz	1.4 µV/√Hz	[4]
Physical			
Electrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack	
Electrical Connector(Output)	BNC Jack	BNC Jack	
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	

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.

NOTES:

[1] User adjustable, factory set at 4 mA (± 0.5 mA). One control adjusts all channels.
 [2] Jumper selectable on internal circuit board.
 [3] Un-buffered output, read out device input impedance affects discharge time constant and low frequency response of unit.
 [4] Typical.
 [5] The low frequency tolerance is accurate within ±25% of the specified frequency.
 [6] See PCB Declaration of Conformance PS024 for details.

SUPPLIED ACCESSORIES:
 Model 017AXX Power Cord (1)
 Model 488B04/NC Power Converter (1)

Entered: LK	Engineer: CPH	Sales: ML	Approved: ECB	Spec Number:
Date: 7/18/2017	Date: 7/18/2017	Date: 7/18/2017	Date: 7/18/2017	38208



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.
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3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com