

Performance	<u>ENGLISH</u>	<u>SI</u>	
Channels	4	4	
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 +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	
Excitation Voltage(± 1 VDC)(To Sensor)	+26 VDC	+26 VDC	
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]
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]With ≥ 1M ohm input impedance of readout device.

[3]Un-buffered output, read out device input impedance affects discharge time constant and low frequency response of unit.

[4]Typical.

[5]See PCB Declaration of Conformance PS024 for details.

SUPPLIED ACCESSORIES:

Model 017AXX Power Cord
Model 488B04/NC Power Converter

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	35061



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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