

	ENGLISH	SI	
Performance			
Channels	4	4	
Sensor Input Type(s)	ICP®, Voltage	ICP®, Voltage	
Accuracy(Gain, x0.1 to x0.4)	± 5 %	± 5 %	
(Gain, x0.5 to x200)	± 1 %	± 1 %	
Output Range(Minimum)	± 10 V	± 10 V	
Frequency Range(-5 %)(x0.1 to x99.9 Gain)	0.05 to 100,000 Hz	0.05 to 100,000 Hz	
(-5 %)(x100 to x200 Gain)	0.05 to 50,000 Hz	0.05 to 50,000 Hz	
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	
Control Interface			
Human Interface	Keypad	Keypad	
Display	2 rows, 16 columns	2 rows, 16 columns	
Digital Control Interface	RS-232	RS-232	
Digital Control: Data Rate	19,200 bps	19,200 bps	
Digital Control: Start, Data, Stop, Parity	1, 8, 1, No	1, 8, 1, No	
Digital Control: Handshaking	RTS/CTS	RTS/CTS	
Digital Control: Cable Length(Maximum)	50 ft	15.2 m	
Environmental			
Temperature Range(Operating)	+32 to +120 °F	0 to +50 °C	
Electrical			
Power Required(for supplied AC power adaptor)	AC Power	AC Power	
(direct input to unit)	DC power	DC power	
AC Power(50 to 60 Hz)	100 to 240 VAC	100 to 240 VAC	
	≤ 1.6 amps	≤ 1.6 amps	
Excitation Voltage(To Sensor)	≥ +24 VDC	≥ +24 VDC	
DC Offset	≤ 50 mV	≤ 50 mV	
DC Power	+9 to +18 VDC	+9 to +18 VDC	
	≤ 2.5 amps	≤ 2.5 amps	
Constant Current Excitation(To Sensor)	0 to 20 mA	0 to 20 mA	[1]
Output Impedance	≤ 50 Ohm	≤ 50 Ohm	
Overload Threshold(± 0.2 Vpk)	+10 Vpk	+10 Vpk	
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	50 µV rms	50 µV rms	[2]
Spectral Noise(1 Hz)(Gain x1)	8.0 µV/√Hz	8.0 µV/√Hz	[2]
(10 Hz)(Gain x1)	1.5 µV/√Hz	1.5 µV/√Hz	[2]
(100 Hz)(Gain x1)	1.0 µV/√Hz	1.0 µV/√Hz	[2]
(1 kHz)(Gain x1)	1.0 µV/√Hz	1.0 µV/√Hz	[2]
(10 kHz)(Gain x1)	1.0 µV/√Hz	1.0 µV/√Hz	[2]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x10)	75 µV rms	75 µV rms	[2]
Spectral Noise(1 Hz)(Gain x10)	20 µV/√Hz	20 µV/√Hz	[2]
(10 Hz)(Gain x10)	1.5 µV/√Hz	1.5 µV/√Hz	[2]
(100 Hz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[2]
(1 kHz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[2]
(10 kHz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[2]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x100)	350 µV rms	350 µV rms	[2]
Spectral Noise(1 Hz)(Gain x100)	100.0 µV/√Hz	100.0 µV/√Hz	[2]
(10 Hz)(Gain x100)	10.0 µV/√Hz	10.0 µV/√Hz	[2]
(100 Hz)(Gain x100)	8.0 µV/√Hz	8.0 µV/√Hz	[2]
(1 kHz)(Gain x100)	6.0 µV/√Hz	6.0 µV/√Hz	[2]
(10 kHz)(Gain x100)	6.0 µV/√Hz	6.0 µV/√Hz	[2]
Physical			
Electrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack	
(Output)	BNC Jack	BNC Jack	
(DC Power Input)	6-socket mini DIN (female)	6-socket mini DIN (female)	
(RS-232 Digital Control)	DB-9 Connector	DB-9 Connector	
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	2.00 lb	907 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 (± 1.0 mA). One control adjusts all channels.

[2] Typical.

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

SUPPLIED ACCESSORIES:

Model 017AXX Power Cord (1)

Model 100-7103-50 (02711) Multi-conductor cable, 6-ft, 9-pin female to 9-pin male. (1)

Model 488B14/NC POWER CONVERTOR (1)

Model EE75 PCB MCSC Control Software. (1)

Entered: <i>JH</i>	Engineer: <i>KL</i>	Sales: <i>JAM</i>	Approved: <i>BAM</i>	Spec Number:
Date: <i>4-23-12</i>	Date: <i>4-11-12</i>	Date: <i>4-13-12</i>	Date: <i>4-17-12</i>	35062



[3] 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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