

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Channels	4	4	
Sensor Input Type(s)	ICP®, Voltage	ICP®, Voltage	
Voltage Gain	x0.1 to x200	x0.1 to x200	
Accuracy(Gain, x0.1 to x0.4)	± 5 %	± 5 %	
Accuracy(Gain, x0.5 to x200)	± 1 %	± 1 %	
Input Range (Voltage)	± 5 V	± 5 V	
Output Range	± 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	[4]
Frequency Range(-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	
TEDS Sensor Support	Yes	Yes	
Fault/Bias Monitor/Meter(LED)	Open/Short/Overload	Open/Short/Overload	
Control Interface	2 rows, 16 columns	2 rows, 16 columns	
Human Interface	Keypad RS-232	Keypad RS-232	
Display	19,200 bps	19,200 bps	
Digital Control Interface	1, 8, 1, No	1, 8, 1, No	
Digital Control: Data Rate	RTS/CTS	RTS/CTS	
Digital Control: Start, Data, Stop, Parity	50 ft	15.2 m	
Digital Control: Handshaking			
Digital Control: Cable Length(Maximum)	+32 to +120 °F	0 to +50 °C	
Environmental			
Temperature Range(Operating)	AC Power	AC Power	
Electrical	DC power	DC power	
Power Required(for supplied AC power adaptor)	100 to 240 VAC	100 to 240 VAC	
Power Required(direct input to unit)	1.6 Amps	1.6 Amps	
AC Power(50 to 60 Hz)	+24 VDC	+24 VDC	
AC Power	≤ 50 mV	≤ 50 mV	
Excitation Voltage(To Sensor)	<10 mV	<10 mV	
DC Offset(AC Coupled)	<20 mV	<20 mV	
DC Offset(DC Coupled, Gain <100)	+9 to +18 VDC	+9 to +18 VDC	
DC Offset(DC Coupled, Gain ≥100)	≤ 2.5 Amps	≤ 2.5 Amps	
DC Power	0 to 20 mA	0 to 20 mA	[1]
DC Power	≤ 50 Ohm	≤ 50 Ohm	
Constant Current Excitation(To Sensor)	+10 Vpk	+10 Vpk	
Output Impedance	Activated	Activated	[2]
Overload Threshold(± 0.2 Vpk)	50.0 μV rms	50.0 μV rms	[3]
Clamp Feature	8.0 μV/√Hz	8.0 μV/√Hz	[3]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	1.5 μV/√Hz	1.5 μV/√Hz	[3]
Spectral Noise(1 Hz)(Gain x1)	1.0 μV/√Hz	1.0 μV/√Hz	[3]
Spectral Noise(10 Hz)(Gain x1)	1.0 μV/√Hz	1.0 μV/√Hz	[3]
Spectral Noise(100 Hz)(Gain x1)	1.0 μV/√Hz	1.0 μV/√Hz	[3]
Spectral Noise(1 kHz)(Gain x1)	75.0 μV rms	75.0 μV rms	[3]
Spectral Noise(10 kHz)(Gain x1)	20.0 μV/√Hz	20.0 μV/√Hz	[3]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x10)	1.5 μV/√Hz	1.5 μV/√Hz	[3]
Spectral Noise(1 Hz)(Gain x10)	1.0 μV/√Hz	1.0 μV/√Hz	[3]
Spectral Noise(10 Hz)(Gain x10)	1.0 μV/√Hz	1.0 μV/√Hz	[3]
Spectral Noise(100 Hz)(Gain x10)	1.0 μV/√Hz	1.0 μV/√Hz	[3]
Spectral Noise(1 kHz)(Gain x10)	350 μV rms	350 μV rms	[3]
Spectral Noise(10 kHz)(Gain x10)	100.0 μV/√Hz	100.0 μV/√Hz	[3]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x100)	10.0 μV/√Hz	10.0 μV/√Hz	[3]
Spectral Noise(1 Hz)(Gain x100)	8.0 μV/√Hz	8.0 μV/√Hz	[3]
Spectral Noise(10 Hz)(Gain x100)	6.0 μV/√Hz	6.0 μV/√Hz	[3]
Spectral Noise(100 Hz)(Gain x100)	6.0 μV/√Hz	6.0 μV/√Hz	[3]
Spectral Noise(1 kHz)(Gain x100)	BNC Jack	BNC Jack	
Spectral Noise(10 kHz)(Gain x100)	BNC Jack	BNC Jack	
Physical			
Electrical Connector(ICP® Sensor Input)	6-socket mini DIN (female)	6-socket mini DIN (female)	
Electrical Connector(Output)	DB-9 Connector	DB-9 Connector	
Electrical Connector(DC Power Input)	3.2 in x 8.0 in x 5.9 in	8.1 cm x 20 cm x 15 cm	
Electrical Connector(RS-232 Digital Control)	2.00 lb	908 gm	
Size (Height x Width x Depth)			
Weight			

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]See Manual
 [3]Typical, AC Coupled.
 [4]0 Hz When DC Coupled
 [5]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: NAD	Engineer: CPH	Sales: AH	Approved: JWH	Spec Number:
Date: 12/4/2025	Date: 12/4/2025	Date: 12/4/2025	Date: 12/4/2025	62808



[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.
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