

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Channels	8	8	
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	[3][4]
High Frequency Response(-3 dB)(x100)	>50 kHz	>50 kHz	
High Frequency Response(-5 %)(x100)	>17 kHz	>17 kHz	
High Frequency Response(-5 %)(x10)	>40 kHz	>40 kHz	
High Frequency Response(-5 %)(x1)	>100 kHz	>100 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 +122 °F	0 to +50 °C	
Electrical			
Power Required	AC Power	AC 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	
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][4]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	5.6 µV rms	5.6 µV rms	[5]
Spectral Noise(1 Hz)	0.67 µV/√Hz	0.67 µV/√Hz	[5]
Spectral Noise(10 Hz)	0.10 µV/√Hz	0.10 µV/√Hz	[5]
Spectral Noise(100 Hz)	0.06 µV/√Hz	0.06 µV/√Hz	[5]
Spectral Noise(1 kHz)	0.06 µV/√Hz	0.06 µV/√Hz	[5]
Spectral Noise(10 kHz)	0.05 µV/√Hz	0.05 µV/√Hz	[5]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x10)	21 µV/rms	21 µV/rms	[5]
Spectral Noise(1 Hz)	5.10 µV/√Hz	5.10 µV/√Hz	[5]
Spectral Noise(10 Hz)	0.60 µV/√Hz	0.60 µV/√Hz	[5]
Spectral Noise(100 Hz)	0.22 µV/√Hz	0.22 µV/√Hz	[5]
Spectral Noise(1 kHz)	0.22 µV/√Hz	0.22 µV/√Hz	[5]
Spectral Noise(10 kHz)	0.19 µV/√Hz	0.19 µV/√Hz	[5]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x100)	165 µV/rms	165 µV/rms	[5]
Spectral Noise(1 Hz)	57 µV/√Hz	57 µV/√Hz	[5]
Spectral Noise(10 Hz)	5.2 µV/√Hz	5.2 µV/√Hz	[5]
Spectral Noise(100 Hz)	1.7 µV/√Hz	1.7 µV/√Hz	[5]
Spectral Noise(1 kHz)	1.8 µV/√Hz	1.8 µV/√Hz	[5]
Spectral Noise(10 kHz)	1.4 µV/√Hz	1.4 µV/√Hz	[5]
Physical			
Electrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack	
Electrical Connector(Output)	BNC Jack	BNC Jack	
Electrical Connector(AC Power Input)	IEC 320	IEC 320	
Size (Height x Width x Depth)(nominal)	1.75 in x 19 in x 13.7 in	44.5 mm x 482.6 mm x 348 mm	
Weight	6.25 lb	2.83 kg	

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

SUPPLIED ACCESSORIES:
 Model 017AXX Power Cord (1)

Entered: LK	Engineer: CPH	Sales: ML	Approved: DY	Spec Number:
Date: 6/13/2017	Date: 6/13/2017	Date: 6/13/2017	Date: 6/13/2017	38622



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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