

Model Number 478B05	3 CHANNEL DC SENSOR SIGNAL CONDITIONER	Revision: D ECN #: 45773
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Channels	3	3	
Frequency Response(± 5 %)	DC Hz	DC Hz	
Frequency Response(± 5 %)	≥ 2000 Hz	≥ 2000 Hz	
Voltage Gain(± 1 %)	1:1	1:1	
Electrical			
Excitation Voltage(± 10 %)(To Sensor)	17.3 V	17.3 V	
DC Offset	± 2.25 V	± 2.25 V	
Spectral Noise(1 Hz)	0.50 µV/√Hz	-126 dB	[1]
Spectral Noise(10 Hz)	0.60 µV/√Hz	-124 dB	[1]
Spectral Noise(100 Hz)	0.35 µV/√Hz	-129 dB	[1]
Spectral Noise(1000 Hz)	0.35 µV/√Hz	-129 dB	[1]
Spectral Noise(10,000 Hz)	0.075 µV/√Hz	-142 dB	[1]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	30 µV	-90 dB	[1]
Power Required	DC power	DC power	
DC Power	+32 to 38 VDC	+32 to 38 VDC	[2]
Current Consumption	0.12 Amps	0.12 Amps	
Physical			
Electrical Connector(Input, sensor)	4-Pin Jack	4-Pin Jack	
Electrical Connector(Output, scope)	BNC Jack	BNC Jack	
Electrical Connector(DC Power Input)	DIN Jack	DIN Jack	
Size (Depth x Height x Width)	11 in x 6.3 in x 2.4 in	28 cm x 16 cm x 6.1 cm	
Weight	2.0 lb	908 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] Typical.
 [2] Provided by supplied external DC power supply.
 [3] See PCB Declaration of Conformance PS024 for details.

SUPPLIED ACCESSORIES:

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

OPTIONAL ACCESSORIES:

Model 488B07 External battery pack

Entered: LK Engineer: CPH Sales: ML Approved: JWH Spec Number:
 Date: 9/6/2016 Date: 9/6/2016 Date: 9/6/2016 Date: 9/6/2016 **28813**



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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