

Model Number
478B05

3 CHANNEL DC SENSOR SIGNAL CONDITIONER

Revision: C
ECN #: 37737

Performance	ENGLISH	SI	
Channels	3	3	
Frequency Response(± 5 %) (± 5 %)	DC Hz ≥ 2 kHz	DC Hz ≥ 2 kHz	
Voltage Gain(± 1 %)	1:1	1:1	
Electrical			
Excitation Voltage(± 10 %)(To Sensor)	17.3 V	17.3 V	
DC Offset	± 2.25 mV	± 2.25 mV	
Spectral Noise(1 Hz)	0.47 μV/√Hz	-12 dB	[1]
(10 Hz)	0.12 μV/√Hz	-139 dB	[1]
(100 Hz)	0.075 μV/√Hz	-142 dB	[1]
(1 kHz)	0.075 μV/√Hz	-142 dB	[1]
(10 kHz)	0.075 μV/√Hz	-142 dB	[1]
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	5.0 μV	-106 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	
(Output, scope)	BNC Jack	BNC Jack	
(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(Including Batteries)	1.67 oz	756 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: <i>JH</i>	Engineer: <i>CPH</i>	Sales: <i>JJM</i>	Approved: <i>BAM</i>	Spec Number:
Date: <i>12-7-11</i>	Date: <i>11-23-11</i>	Date: <i>11-25-11</i>	Date: <i>12-7-11</i>	28813



[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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