

Model Number 8159-0045B		1 CHANNEL STRAIN GAGE SENSOR SIGNAL CONDITIONER			Revision: NR ECN #: 8159-0045B										
Performance		ENGLISH		SI											
Linearity		± 0.015 % FS		± 0.015 % FS											
Environmental															
Temperature Range		+14 to +122 °F		-10 to +50 °C											
Temperature Stability		± 0.56 µV/°F		± 1 µV/°C											
Maximum Humidity		90 %		90 %											
Electrical															
Excitation Voltage(± 0.5 %)		10 VDC		10 VDC											
Full Scale Input		4.5 mV/V		4.5 mV/V											
Output Voltage(Analog Signal)		± 10 VDC		± 10 VDC											
Output Current(Analog Signal)		4 to 20 mA		4 to 20 mA											
Output Bandwidth		0 to 1000 Hz		0 to 1000 Hz											
Digital Resolution		1 part in 19,999		1 part in 19,999											
Common Mode Rejection		>120 @50-60 Hz		>120 @50-60 Hz											
Display Type		0.4in. (10.2mm) LED		0.4in. (10.2mm) LED											
Display Range		± 99,999 (5 digits)		± 99,999 (5 digits)											
Decimal Point		Adjustable via front panel		Adjustable via front panel											
Set Points, Open Collector		2 High and 2 Low		2 High and 2 Low											
Shunt Calibration Resistor		Accessible through rear panel		Accessible through rear panel											
Power Required		115/50 to 60 VAC/Hz		115/50 to 60 VAC/Hz											
Input		Fully Differential (bi-polar)		Fully Differential (bi-polar)											
Physical															
Electrical Connector(Sensor)		9-Pin Female D-sub		9-Pin Female D-sub											
Electrical Connector(input/output)		15-Pin Male D-sub		15-Pin Male D-sub											
Electrical Connector(AC Power Input)		IEC 320		IEC 320											
Size (Height x Width x Diameter)		1.89 in x 3.78 in x 5.88 in		48 mm x 96 mm x 149 mm											
Weight		1.3 lb		0.59 kg											
															
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.															
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