

	ENGLISH	SI	
Performance			
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 %	[5]
Electrical			
Excitation Voltage(± 0.5 %)	10 VDC	10 VDC	[1]
Full Scale Input	2.5 mV/V	2.5 mV/V	[2]
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	[3]
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	Actuated via front panel	Actuated via front panel	
Shunt Calibration Resistor	Accessible through rear panel	Accessible through rear panel	[4]
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	[6]
Weight	1.3 lb	0.59 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.

F - 230 VAC operation

NOTES:

[1] Default Value: Internally selectable between 5 VDC and 10 VDC @120 mA max with remote sense short circuit current limiting.

[2] Default Value: Internally selectable between 1.5 mV/V, 2.5 mV/V, and 3.5 mV/V.

[3] Upper frequency limited by single pole, low-pass filter.

[4] Unit set to 230 VAC when ordered as "F8159-0012A", internally selectable

[5] At +104 °F (+40 °C)

[6] 1/8 DIN size.

[7] See PCB Declaration of Conformance PS113 for details.

SUPPLIED ACCESSORIES:

Model 017 AC Line Cord

Entered: AP	Engineer: PE	Sales: KWW	Approved: DA	Spec Number:
Date: 5/21/2013	Date: 5/21/2013	Date: 5/21/2013	Date: 5/21/2013	24520

PCB Load & Torque, Inc.
 24350 Indoplex Circle
 Farmington Hills, MI 48335
 UNITED STATES
 Phone: 866-684-7107
 Fax: 716-684-0987
 E-Mail: ltinfo@pcbloadtorque.com
 Web site: <http://www.pcbloadtorque.com>



[7] 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.
 ICP® is a registered trademark of PCB Group, Inc.