

Model Number  
054107-01153

# LOAD WASHER LOAD CELL - 7/16" FASTENER

Revision: C  
ECN #: 53433

	ENGLISH	SI	
<b>Performance</b>			
Measurement Range(Full Scale Capacity)	15,000 lb	66.7 kN	[1]
Sensitivity(output at rated capacity)	1.50 mV/V	1.50 mV/V	[1][2]
Non-Linearity	± 5 % FS	± 5 % FS	[2]
Hysteresis	± 5 % FS	± 5 % FS	[2]
Non-Repeatability	± 2 % FS	± 2 % FS	[2]
Resonant Frequency	10 kHz	10 kHz	
<b>Environmental</b>			
Overload Limit	22,500 lb	100.05 kN	
Temperature Range(Operating)	0 to +200 °F	-18 to +93 °C	
Temperature Range(Compensated)	N/A °F	N/A °C	
Temperature Effect on Output(Maximum)	± 0.002 %Reading/°F	± 0.0018 %Reading/°C	[3]
Temperature Effect on Zero	± 0.002 %FS/°F	± 0.0018 %FS/°C	[2]
Balance(Maximum)			
<b>Electrical</b>			
Bridge Resistance	350 Ohm	350 Ohm	[1]
Excitation Voltage(Recommended)	10 VDC	10 VDC	[4]
Output Polarity(Compression)	Positive	Positive	
Isolation Resistance	≥ 1G Ohm	≥ 1G Ohm	
<b>Physical</b>			
Size (Height x Diameter)	0.42 in x 0.943 in	10.7 mm x 23.9 mm	[5]
Fastener Size	0.438 in	11.11 mm	
Through Hole Diameter	0.443 in	11.20 mm	
Sensing Element	Strain Gage	Strain Gage	
Electrical Connector	pigtail ends	pigtail ends	
Electrical Connection Position	Side	Side	

### 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]Nominal.
- [2]FS - Full Scale.
- [3]Over compensated operating temperature range.
- [4]Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
- [5]See Outline Drawing (LT30776) for Complete Dimensions

### OPTIONAL ACCESSORIES:

Model 080922-01000 MODEL 922 DIGITAL PEAK METER  
Model 080962-01000 MODEL 962 DATA RECORDER

Entered: ND	Engineer: PE	Sales: DM	Approved: JM	Spec Number:
Date: 12/12/2022	Date: 12/12/2022	Date: 12/12/2022	Date: 12/12/2022	48917

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.



PCB Load & Torque A Division of PCB  
Piezotronics  
24350 Indoplex Circle Farmington  
Hills, MI 48335  
UNITED STATES  
Phone: 866-684-7107  
E-Mail: LTSales@pcb.com  
Web site: www.pcb.com/LoadAndTorque