

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Measurement Range(Full Scale Capacity)	3000 lbf-ft	4068 Nm	
Sensitivity(output at rated capacity)	2.0 mV/V	2.0 mV/V	[6]
Non-Linearity	≤ 0.25 % FS	≤ 0.25 % FS	[2]
Hysteresis	≤ 0.25 % FS	≤ 0.25 % FS	[2]
Non-Repeatability	≤ 0.05 % FS	≤ 0.05 % FS	[2]
Interchangeability	≤ 0.30 % FS	≤ 0.30 % FS	[7][2]
<b>Environmental</b>			
Overload Limit	3500 lbf-ft	4845 Nm	[4]
Temperature Range(Operating)	0 to +200 °F	-18 to +93 °C	
Temperature Range(Compensated)	+70 to +150 °F	+21 to +66 °C	
Temperature Effect on Output(Maximum)	± 0.002 %Reading/°F	± 0.0018 %Reading/°C	[5]
Temperature Effect on Zero Balance(Maximum)	± 0.002 %FS/°F	± 0.0018 %FS/°C	[5]
<b>Electrical</b>			
Bridge Resistance	350 Ohm	350 Ohm	
Excitation Voltage	10 VDC	10 VDC	[1]
Insulation Resistance	≥ 5 GOhm	≥ 5 GOhm	
Zero Balance	≤ 2 % FS	≤ 2 % FS	[2]
Shunt Calibration	≤ 0.25 % FS	≤ 0.25 % FS	[3][2]
Auto ID	TTL Proprietary	TTL Proprietary	
<b>Physical</b>			
Size (Shaft Length x Housing Length x Housing Height)	4.33 in x 2.44 in x 4.74 in	104.9 mm x 68.3 mm x 74.7 mm	[8]
Weight	4.0 lb	1815 gm	
Mounting	1 inch Sq Drive	25.4 mm Sq Drive	[9]
Sensing Element	Strain Gage	Strain Gage	
Housing Material	Aluminum	Aluminum	
Shaft Material	Steel	Steel	
Electrical Connector	PT02H-12-10P	PT02H-12-10P	
Maximum Speed	1000 RPM	1000 RPM	

**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] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
  - [2] FS - Full Scale.
  - [3] Matched with 43.575 kOhm Precision Resistor.
  - [4] Replaceable Male Drive is designed to fail at overload to protect sensing element
  - [5] Over compensated temperature range.
  - [6] Matched to ±0.25% F.S.
  - [7] Matched for mV/V and shunt calibration.
  - [8] See Outline Drawing LT38325 for Complete Dimensions
  - [9] Per ANSI B107.4 Specifications
  - [10] See PCB Declaration of Conformance PS119 for details.

**SUPPLIED ACCESSORIES:**  
Model 7122R-04352A PRECISION CAL RESISTOR 43.575 kOhm

**OPTIONAL ACCESSORIES:**  
Model 080920-01000 MODEL 920 PORTABLE DIGITAL INSTRUMENT  
Model 080962-01000 MODEL 962 DATA RECORDER  
Model 097000-34445 INTERCONNECT CABLE  
Model 4242R-000630 MATING CONNECTOR PT06A-12-10S(SR)

Entered: DMW	Engineer: JM	Sales: DM	Approved: PE	Spec Number:
Date: 3/14/2012	Date: 3/14/2012	Date: 3/14/2012	Date: 3/14/2012	<b>52903</b>



*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 PCB GROUP COMPANY

**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](mailto:ltinfo@pcbloadtorque.com)  
Web site: <http://www.pcbloadtorque.com>