

Model Number 039001-53033	ROTARY TORQUE W/AUTO ID				Revision: NR ECN #: 38721
Performance	ENGLISH	SI			OPTIONAL VERSIONS
Measurement Range(Full Scale Capacity)	3000 lbf-ft	4068 Nm			Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
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]		
Environmental					
Overload Limit	3500 lbf-ft	4845 Nm	[4]		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.
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]		
Electrical					
Bridge Resistance	350 Ohm	350 Ohm			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)
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			
Physical					
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			
 [10]					
<i>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.</i>					
					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 52903
					 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