Model Number 039201-53102/B	ROTARY TOROUSE W/ENCODER AND AUTO ID							_	sion: NR #: 47364	
Performance		ENGLISH <u>SI</u>			OPTIONAL VERSIONS					
Measurement Range(Full Scale Capacity)		1000 lbf-ft	1356 Nm		Optional versions have identical specifications and accessories as listed for the standard model					
Sensitivity(output at rated capacity)		2.0 mV/V	2.0 mV/V	[7]	except where noted below. More than one option may be used.					
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]						
Interchangeabilty		≤ 0.30 % FS	≤ 0.30 % FS	[8][2]						
Environmental										
Overload Limit		1500 lbf-ft	2034 Nm							
Temperature Range(Operating)		0 to +200 °F	-18 to +93 °C		NOTES:					
Temperature Range(Compensated)		+70 to +150 °F	+21 to +66 °C		<ol> <li>Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.</li> <li>FS - Full Scale.</li> <li>Magnetic Encoder Specifications.</li> <li>A-B Track 90° Phase Difference, Flat Over Operating Speed</li> </ol>					
Temperature Effect on Output(Maximum)		± 0.002 %Reading/°F	± 0.0018 %Reading/°C	[6]						
Temperature Effect on Zero Balance(Maximum)		± 0.002 %FS/°F	± 0.0018 %FS/°C	[6]						
Electrical						43.575 kOhm Prec		gopood		
Bridge Resistance		350 Ohm	350 Ohm		<ul> <li>[6] Over compensated temperature range.</li> <li>[7] Matched to ±0.25% F.S.</li> <li>[8] Matched for mV/V and shunt calibration.</li> <li>[9] See Outline Drawing 49635 for Complete Dimensions</li> <li>[10] Per ANSI B107.4 Specifications</li> <li>[11] See PCB Declaration of Conformance PS119 for details.</li> </ul>					
Excitation Voltage		10 VDC	10 VDC	[1]						
Insulation Resistance		≥ 5 GOhm	≥ 5 GOhm							
Zero Balance		≤ 2 % FS	≤ 2 % FS	[2]						
Counts Per Revolution		2880	2880	[3]						
Resolution w/ Quadrature		1/8 °	1/8 °	[3]	[1] See FCB De			alls.		
Output Voltage		High 5V to Low 0.5V	High 5V to Low 0.5V	[3]						
Power Required(maximum)		5 VDC @ 120mA	5 VDC @ 120mA	[3]	SUPPLIED ACCESSORIES:					
Magnetic Encoder(Poles)		720	720	[3]	Model 7122R-04352A PRECISION CAL RESISTOR 43.575 kOhm					
Magnetic Encoder(Ouput)		See Note	See Note	[4][3]						
Shunt Calibration		≤ 0.25 % FS	≤ 0.25 % FS	[5][2]	OPTIONAL ACCESSORIES:					
Auto ID		TTL Proprietary	TTL Proprietary				able Digital Boak M	ator for torque torqu	o anglo or load	
Physical				measurement: Click-Wrench calc feature w/battery charger instruction manual & sho						
Size (Shaft Length x Hou	ising Length x Housing Heigh	nt) 4.00 in x 2.00 in x 3.63	101.6 mm x 50.8 mm x 92.2	[9]	strap		are, would y only			
in mm				Model 080962-01000 MODEL 962 DATA RECORDER						
Weight		3.2 lb	1452 gm		Model 097000-34445 INTERCONNECT CABLE Model 4242R-000630 MATING CONNECTOR PT06A-12-10S(SR)					
Mounting		1 inch Sq Drive	25.4 mm Sq Drive	[10]						
Sensing Element		Strain Gage	Strain Gage							
Housing Material		Aluminum	Aluminum							
Shaft Material		Steel	Steel		Entered: LK	Engineer: PE	Sales: DM	Approved: JSD	Spec Number:	
Electrical Connector		PT02H-12-10P	PT02H-12-10P				L	L	00044	
Maximum Speed		1000 RPM	1000 RPM		Date: 10/31/2017	Date: 10/31/2017	Date: 10/31/2017	Date: 10/31/2017	68211	
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 & TOROUE 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/LoadAndTorgue					