Model Number 039250-51201/B								-	sion: NR #: 47364	
Performance	ENGLISH SI				OPTIONAL VERSIONS					
Measurement Range(Full Scale Capacity)		148 lbf-ft	200 Nm		Optional versions have identical specifications and accessories as listed for the stand					
Sensitivity(output at rated capacity)		2.0 mV/V	2.0 mV/V	[7]	ex	cept where noted b	elow. More than one	e option may be used	1.	
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		221 lbf-ft	300 Nm		10750					
Temperature Range(Operating)		0 to +200 °F	-18 to +93 °C		NOTES: [1] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS. [2] FS - Full Scale. [3] Magnetic Encoder Specifications.					
Temperature Range(Compensated)		+70 to +150 °F	+21 to +66 °C							
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]	[4] A-B Track 90° Phase Difference, Flat Over Operating Speed					
Electrical						43.575 kOhm Prec) opecu		
Bridge Resistance		350 Ohm	350 Ohm		 [6] Over compensated temperature range. [7] Matched to ±0.25% F.S. 					
Excitation Voltage		10 VDC	10 VDC	[1]						
Insulation Resistance		≥ 5 GOhm	≥ 5 GOhm							
Zero Balance		≤ 2 % FS	≤ 2 % FS	[2]	 [9] See Outline Drawing 48350 for Complete Dimensions [10] Per ANSI B107.4 Specifications [11] See PCB Declaration of Conformance PS119 for details. 					
Counts Per Revolution		1472	1472	[3]						
Resolution w/ Quadrature		1/4 °	1/4 °	[3]				alis.		
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)		360	360	[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 Peak M	eter for torque, torqu	a-angle or load	
Physical					measurement: Cli	ck-Wrench calc feat	ure w/battery charo	er, instruction manu	al & shoulder	
Size (Shaft Length x Hou	sing Length x Housing Heigh	nt) 3.23 in x 2.30 in x 2.00	82.0 mm x 58.4 mm x 50.8	[9]	strap		are, meaner, enarg			
in mm					Model 080962-01000 MODEL 962 DATA RECORDER					
Weight		.85 lb	386 gm		Model 097000-34445 INTERCONNECT CABLE Model 4242R-000630 MATING CONNECTOR PT06A-12-10S(SR)					
Mounting		1/2 inch Sq Drive	12.7 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						60000	
Maximum Speed		2500 RPM	2500 RPM		Date: 10/31/2017	Date: 10/31/2017	Date: 10/31/2017	Date: 10/31/2017	68206	
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					