Model Number 039225-50101/B	ROTARY TORQUE, W/ENCO			CODER AND	DER AND AUTO ID Revision: A ECN #: 50139			
Performance	ENGLISH	SI				TIONAL VERSIO		
Measurement Range(Full Scale Capacity)	100 lbf-in	11.3 Nm		Optional versions ha	ve identical specific	ations and accessori	es as listed for the st	andard model exce
Sensitivity(output at rated capacity)	2.0 mV/V	2.0 mV/V	[1]		where noted belo	ow. More than one o	ption may be used.	
Non-Linearity	≤ 0.25 % FS	≤ 0.25 % FS	[2]					
lysteresis	≤ 0.25 % FS	≤ 0.25 % FS	[2]					
Ion-Repeatability	≤ 0.05 % FS	≤ 0.05 % FS	[2]					
nterchangeabilty	≤ 0.30 % FS	≤ 0.30 % FS	[3][2]					
Invironmental		1001						
Overload Limit	150 lbf-in	16.9 Nm						
emperature Range(Operating)	0 to +200 °F	-18 to +93 ℃						
emperature Range(Compensated)	+70 to +150 °F	+21 to +66 °C						
emperature Effect on Output(Maximum)	± 0.002 %Reading/°F	± 0.0018 %Reading/°C	[4]					
emperature Effect on Zero	± 0.002 %FS/°F	± 0.0018 %FS/°C	[4]					
Balance(Maximum)								
lectrical								
Bridge Resistance	350 Ohm	350 Ohm						
xcitation Voltage	10 VDC	10 VDC	[5]					
nsulation Resistance	≥ 5 GOhm	≥ 5 GOhm						
Zero Balance	≤ 2 % FS	≤ 2 % FS	[2]					
Counts Per Revolution	1,472	1,472	[6]					
Resolution w/ Quadrature	1/4 °	1/4 °	[6]					
Dutput Voltage	High 5V to Low 0.5V	High 5V to Low 0.5V	[6]					
Power Required(maximum)	5 VDC @ 120mA	5 VDC @ 120mA	[6]					
Magnetic Encoder(Poles)	368	368	[6]					
Agnetic Encoder(Ouput)	See Note	See Note	[7][6]					
Shunt Calibration	≤ 0.25 % FS	≤ 0.25 % FS	[8][2]					
Auto ID	TTL Proprietary	TTL Proprietary	[0][2]					
Physical	Therrophetary	Therrophetary						
Size (Shaft Length x Housing Length x	3.23 in x 2.30 in x 2.00 in	82.0 mm x 58.4 mm x 50.8	[0]					
Housing Height)	5.25 11 x 2.50 11 x 2.00 11	mm	[9]					
Neight	.75 lb							
Mounting		340 gm	[10]	NOTES:				
	1/4 inch Sq Drive	6.35 mm Sq Drive	[10]	[1]Matched to ±0.2	5% F.S.			
Sensing Element	Strain Gage	Strain Gage		[2]FS - Full Scale.				
Housing Material	Aluminum	Aluminum		[3]Matched for mV	/V and shunt calibra	ation.		
Shaft Material	Steel	Steel		[4]Over compensat	ed temperature ran	ide.		
Electrical Connector	PT02H-12-10P	PT02H-12-10P		[5]Calibrated at 10				
Maximum Speed	5,000 RPM	5,000 RPM		[6] Magnetic Encode				
						Over Operating Spe	ed	
				[8]Matched with 43				
				[9]See Outline Drav				
				[10]Per ANSI B107.4				
						ce PS119 for details.		
				SUPPLIED ACCE	SSORIES			
				Model 7122R-04352		RESISTOR 13 575 LOI	m	
				OPTIONAL ACC		101143.373 KUI		
				Model 080920-0100				
				measurement; Click-			instruction manual a	& shoulder strap
				Model 080962-0100				
				Model 097000-3444				
				Model 4242R-00063	0 MATING CONNE	CTOR PT06A-12-10	S(SR)	
					Engineer: PE	Sales: DM	Approved: JSD	Spec Number:
				Date: 11/07/2019	Date: 11/07/2019	Date: 11/07/2019	Date: 11/07/2019	68201
All specifications are at room temperature u In the interest of constant product improvem		nange specifications without n	otice.	PCB LO A PCB	AD & TOR	Piezotron BDIV: Hills, MI 4 UNITED S Phone: 86 E-Mail: LT		rcle Farmington