Model Number 2302-01A	REACTION TORQUE SENSOR								
Performance	ENGLISH	SI			OP	TIONA			
Measurement Range(Full Scale Capacity)	10,000 lbf-in	1130 Nm	[1]	Optional versions have identical specification					
Sensitivity(± 15 %)(output at rated capacity)	2 mV/V	2 mV/V	[1][5]	except where noted below. Me					
Non-Linearity	≤ 0.1 % FS	≤ 0.1 % FS	[5]						
Hysteresis	≤ 0.1 % FS	≤ 0.1 % FS	[5]						
Non-Repeatability	≤ 0.02 % FS	≤ 0.02 % FS	[5]						
Resonant Frequency	1.4 kHz	1.4 kHz							
Maximum Torque	15,000 lbf-in	1695 Nm							
Environmental									
Overload Limit(Axial Thrust)	10,000 lbf	44.48 kN	[3]	NOTES: [1] Nominal. [2] Calibrated at 10 VDC, usable 5 to 20 VDC [3] Singularly applied, i.e. no other extraneou [4] Over compensated operating temperature					
Overload Limit(Overhung Moment)	5000 lbf-in	565 Nm	[3]						
Overload Limit(Shear)	5000 lbf	22.24 kN	[3]						
Temperature Range(Operating)	-65 to +200 °F	-54 to +93 °C							
Temperature Range(Compensated)	+70 to +170 °F	+21 to +77 °C		[5] FS - Full Scale.		iporataro			
Temperature Effect on Output(Maximum)	± 0.002 %Reading/°F	± 0.0036 %Reading/°C	[4]	[6] See Drawing 26440 for Complete Dimens		Dimens			
Temperature Effect on Zero Balance(Maximum)	± 0.002 %FS/°F	± 0.0036 %FS/°C	[4][5]						
Electrical									
Bridge Resistance	350 Ohm	350 Ohm	[1]	SUPPLIED ACCESSORIES: Model 181-012A PT06A-10-6S(SR) (1)					
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]			(1)			
Insulation Resistance	5 GOhm	5 GOhm							
Zero Balance	≤ 1 %RO	≤ 1 %RO			L	L .			
Output Polarity	cw+	cw+		Entered: LK	Engineer: PE	Sales:			
Physical				Date: 5/30/2018	Date: 5/30/2018	Date: 5			
Size (Diameter x Length)	5.00 in x 3.50 in	127 mm x 88.9 mm	[6]	Date: 5/30/2016	Date. 5/30/2016	Date. C			
Weight	10 lb	4.536 kg							
Mounting	Flange (3/8in Bolts)	Flange (M10 Bolts)							
Torsional Stiffness	2980 klbf-in/radian	336.7 kN-m/radian							
Sensing Element	Strain Gage	Strain Gage							
Housing Material(Sensor)	Plated Steel	Plated Steel		PCB LOAD & TORQUE					
Electrical Connector	PT02E-10-6P	PT02E-10-6P				UUL			

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.

AL VERSIONS

ns and accessories as listed for the standard model More than one option may be used.

- OC or VAC RMS.
- ous loads.
- re range.
- nsions

Entered: LK	Engineer: PE	Sales: DM	Approved: JSD	Spec Number:
Date: 5/30/2018	Date: 5/30/2018	Date: 5/30/2018	Date: 5/30/2018	18725



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Revision: E ECN #: 48297