Model Number 2304-02A	REACTION TORQUE SENSOR							ision: D I #: 47636
Performance Measurement Range(Full Scale Capacity) Sensitivity(± 15 %)(output at rated capacity) Non-Linearity Hysteresis	ENGLISH 200,000 lbf-in 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS	<u>SI</u> 22,596 Nm 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS	[1] [1][5] [5] [5]	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as liste except where noted below. More than one option may				
Non-Repeatability Resonant Frequency Maximum Torque Environmental	≤ 0.02 % FS 1.1 kHz 300,000 lbf-in	≤ 0.02 % FS 1.1 kHz 33,895 Nm	[5]					
Overload Limit(Axial Thrust) Overload Limit(Overhung Moment) Overload Limit(Shear) Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum)	200,000 lbf 100,000 lbf-in 30,000 lbf -65 to +200 °F +70 to +170 °F ± 0.002 %Reading/°F	889.6 kN 11,298 Nm 133.44 kN -54 to +93 °C +21 to +77 °C ± 0.0036 %Reading/°C	[3] [3] [3] [4]	NOTES: [1] Nominal. [2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS. [3] Singularly applied, i.e. no other extraneous loads. [4] Over compensated operating temperature range. [5] FS - Full Scale. [6] See Drawing 26442 for Complete Dimensions				
Temperature Effect on Zero Balance(Maximun Electrical Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance	n) ± 0.002 %FS/°F 350 Ohm 10 VDC 5 GOhm	± 0.0036 %FS/°C 350 Ohm 10 VDC 5 GOhm	[4][5] [1] [2]	SUPPLIED ACCESSORIES: Model 181-012A PT06A-10-6S(SR) (1)				
Zero Balance Physical	≤ 1 %RO	≤ 1 %RO		Entered: LK	Engineer: PE	Sales: KH	Approved: JSD	Spec Number:
Size (Diameter x Length) Weight	9.75 in x 8.50 in 80 lb	247.65 mm x 215.90 mm 36.29 kg	[6]	Date: 2/22/2018	Date: 2/22/2018	Date: 2/22/2018	Date: 2/22/2018	22017
Mounting Torsional Stiffness Sensing Element Housing Material(Sensor) Electrical Connector All specifications are at room temperature unle In the interest of constant product improvement		Flange (M20 Bolts) 6090 kN-m/radian Strain Gage Plated Steel PT02E-10-6P specifications without notice.		PCB LOAD & TOROUE A PCB PIEZOTRONICS DIV A PC				