Model Number 2304-01A	REACTION TORQUE SENSOR							ision: E \ #: 47636
Performance Measurement Range(Full Scale Capacity) Sensitivity(± 15 %)(output at rated capacity Non-Linearity Hysteresis Non-Repeatability Resonant Frequency Maximum Torque	ENGLISH 100,000 lbf-in 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.2 % FS 690 Hz 150,000 lbf-in	<u>SI</u> 11,298 Nm 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.02 % FS 690 Hz 16,948 Nm	[1] [1][5] [5] [5] [5]	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.				
Environmental Overload Limit(Axial Thrust) Overload Limit(Overhung Moment) Overload Limit(Shear) Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maxim Electrical Bridge Resistance Excitation Voltage(Recommended)	, 350 Ohm 10 VDC	444.8 kN 5650 Nm 66.72 kN -54 to +93 °C +21 to +77 °C ± 0.0036 %Reading/°C ± 0.0036 %FS/°C 350 Ohm 10 VDC	[3] [3] [4] [4][5] [1] [2]	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   SUPPLIED ACCESSORIES:   Model 181-012A PT06A-10-6S(SR) (1)				
Insulation Resistance Zero Balance <b>Physical</b>	5 GOhm ≤ 1.0 %RO	5 GOhm ≤ 1.0 %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	18732
MountingFlange (3/4in Bolts)Flange (M20 Bolts)Torsional Stiffness21,400 klbf-in/radian2417 kN-m/radianSensing ElementStrain GageStrain GageHousing Material(Sensor)Plated SteelPlated SteelElectrical ConnectorPT02E-10-6PPT02E-10-6PAll 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 PCB PIEZOTRONICS DIV A PC				