Model Number 2302-02A	REACTION TORQUE SENSOR							rision: C N #: 38221
Performance Measurement Range(Full Scale Capacity) Sensitivity(± 15 %)(output at rated capacity Non-Linearity Hysteresis Non-Repeatability Resonant Frequency Maxinum Torque	ENGLISH 20,000 lbf-in 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.02 % FS 2.2 kHz 30,000 lbf-in	<u>SI</u> 2259 N-m 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.02 % FS 2.2 kHz 3390 N-m	[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 Effect on Output(Maximum) Temperature Effect on Output(Maximum) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maxim Electrical Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance Zero Balance Physical Size (Diameter x Length) Weight	$\begin{array}{c} 20,000 \mbox{ lbf} \\ 10,000 \mbox{ lbf-in} \\ 10,000 \mbox{ lbf} \\ -65 \mbox{ to } +200 \mbox{ F} \\ +70 \mbox{ to } +170 \mbox{ F} \\ \pm 0.002 \mbox{ %Reading/F} \\ \pm 0.002 \mbox{ %FS/F} \\ 350 \mbox{ ohm} \\ 10 \mbox{ VDC} \\ 5 \mbox{ Gohm} \\ \leq 1 \mbox{ %RO} \\ 5.00 \mbox{ in } x \mbox{ 3.50 in} \\ 10 \mbox{ lb} \end{array}$	88.96 kN 1130 N-m 44.48 kN -54 to +93 ℃ +21 to +77 ℃ ± 0.0036 %Reading/℃ ± 0.0036 %FS/℃ 350 ohm 10 VDC 5 Gohm ≤ 1 %RO 127 mm x 88.9 mm 4.536 kg	[3] [3] [4] [4][5] [1] [2]	 [3] Singularly applied (3) [4] Over compenied (4) [5] FS - Full Scale (6) [6] See Drawing SUPPLIED AC 				
Mounting Torsional Stiffness	Flange (3/8in Bolts) 7500 klbf-in/radian	Flange (M10 Bolts) 847.4 kN-m/radian		Entered: DMW	Engineer: PE	Sales: RR	Approved: JC	Spec Number:
Sensing Element Housing Material(Sensor) Electrical Connector	Strain Gage Plated Steel PT02E-10-6P	Strain Gage Plated Steel PT02E-10-6P		Date: 1/24/2012	Date: 1/24/2012	Date: 1/24/2012	Date: 1/24/2012	18726
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. ICP [®] is a registered trademark of PCB Group, Inc.				PCB LOAD & TOROUF A PCB GROUP COMPANY PCB GROUP COMPANY PCB LOAD & TOROUF A PCB GROUP COMPANY PCB LOAD & TOROUF A PCB GROUP COMPANY PCB Load & Torque, Inc. 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 Fax: 716-684-0987 E-Mail: Itinfo@pcbloadtorque.com Web site: http://www.pcbloadtorque.com				



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