

Model Number 3124-01A	ROTARY TORQUE TRANSFORMER, SHAFT-SHAFT		Revision: NR ECN #:										
Performance Measurement Range(Full Scale Capacity) Sensitivity(output at rated capacity) Non-Linearity Hysteresis Non-Repeatability	ENGLISH 500 in-lb 2.0 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.05 % FS FS	SI 56.5 N-m 2.0 mV/V [4] ≤ 0.1 % [2] FS ≤ 0.1 % [2] FS ≤ 0.05 % [2] FS	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 Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maximum)	1000 in-lb 0 to 200 °F 70 to 150 °F ± 0.002 % Reading/°F ± 0.002 % FS/°F	113 N-m -18 to 93 °C 21 to 66 °C ± 0.0018 % Reading/°C ± 0.0018 % FS/°C	NOTES: [1] Recommended 10 VAC RMS. [2] FS - Full Scale. [3] Over compensated operating temperature range. [4] Nominal. [5] See drawing 44773 for complete dimensions.										
Electrical Bridge Resistance Excitation Voltage Bridge Current(at 5 VAC) Insulation Resistance Zero Balance	350 ohm 20 VDC or VAC rms 50 mA >5 Gohm ≤ 2 % FS	350 ohm 20 VDC or VAC rms 50 mA >5 Gohm ≤ 2 % FS [2]											
Physical Size (Shaft Length x Housing Length x Housing Diameter x Shaft Diameter x Shaft Keyway) Weight Mounting Sensing Element Housing Material Shaft Material	9.00 in x 4.58 in x 4.00 in x 1.00 in x 1/4 in 5.3 lb Keyed Shaft Strain Gage Aluminum Alloy Steel	228.6 mm x 116.3 mm x 101.6 mm x 25.4 mm x 6.3 mm 2.4 kg Keyed Shaft Strain Gage Aluminum Alloy Steel	<table border="1"> <tr> <td>Entered: BLS</td> <td>Engineer: PTE</td> <td>Sales: ACC</td> <td>Approved: YRS</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 3-29-10</td> <td>Date: 3-29-10</td> <td>Date: 3-29-10</td> <td>Date: 3-29-10</td> <td>45886</td> </tr> </table>	Entered: BLS	Engineer: PTE	Sales: ACC	Approved: YRS	Spec Number:	Date: 3-29-10	Date: 3-29-10	Date: 3-29-10	Date: 3-29-10	45886
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Electrical Connector Electrical Connection Position Rotating Inertia Maximum Speed	PT02H-10-6P Top 0.48 in-lb/sec2 7900 RPM	PT02H-10-6P Top 0.48 in-lb/sec2 7900 RPM	<table border="1"> <tr> <td colspan="2" style="text-align: center;">PCB LOAD & TORQUE A PCB GROUP COMPANY</td> <td> PCB Load & Torque, Inc. 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 Fax: 716-684-0987 E-Mail: ltinfo@pcbloadtorque.com Web site: http://www.pcbloadtorque.com </td> </tr> </table>	PCB LOAD & TORQUE 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: ltinfo@pcbloadtorque.com Web site: http://www.pcbloadtorque.com							
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<p><i>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.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>													



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