

Model Number 1404-02ADB	FATIGUE RATED LOW PROFILE LOAD CELL, DUAL BRIDGE			Revision: F ECN #: 43840										
Performance Measurement Range(100 x 10 ⁶ cycles) Sensitivity(± 10 %) Non-Linearity Hysteresis Non-Repeatability Eccentric Load Sensitivity Resonant Frequency Side Load Sensitivity Creep(in 20 minutes) Static Error Band	ENGLISH 12.5 klb 2.0 mV/V ≤ 0.05 % FS ≤ 0.05 % FS ≤ 0.02 %RO 0.1 %/in 12 kHz 0.1 %/in 0.025 % ≤ 0.05 % FS	SI 56 kN 2.0 mV/V ≤ 0.05 % FS ≤ 0.05 % FS ≤ 0.02 %RO 0.1 %/25.4mm 12 kHz 0.1 %/25.4mm 0.025 % ≤ 0.05 % FS	[5][6] [7][1]	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 Load Limit(Side Force, F _X or F _Y) Load Limit(Bending Moment, M _X or M _Y) Load Limit(Axial Torque, M _Z) Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maximum)	37.5 klb 10 klb 10k in-lb 10k in-lb -65 to +200 °F +15 to +115 °F ± 0.0008 %Reading/°F ± 0.0008 %FS/°F	167 kN 44 kN 1130 Nm 1130 Nm -54 to +93 °C -9 to +46 °C ± 0.0018 %Reading/°C ± 0.0018 %FS/°C	[5] [3] [3] [3] [4] [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]Calibrated in tension and compression. [7]RO - Rated Output. [8]See Outline Drawing 49932 for Complete Dimensions										
Electrical Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance Zero Balance Output Polarity	350 Ohm 10 VDC >5k GOhm ≤ 1 %RO +Tension	350 Ohm 10 VDC >5k GOhm ≤ 1 %RO +Tension	[1] [2]	SUPPLIED ACCESSORIES: Model 084A90 Connector Shroud (2) OPTIONAL ACCESSORIES: Model 084A56 Pre-Tension Stud Model 181-012A PT06A-10-6S(SR) Model 8311-01-10A CABLE										
Physical Size (Diameter x Height) Weight Mounting Thread Sensing Element Mounting Torque Deflection at Full Scale Capacity Electrical Connector	6.06 in x 3.50 in 21 lb 1 1/4 - 12 UNF-3B Strain Gage 1400 in-lb 0.001 in PT02E-10-6P (2)	153.90 mm x 88.90 mm 4.53 kg No Metric Equivalent Strain Gage 158 Nm 0.03 mm PT02E-10-6P (2)	[8]	<table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: PE</td> <td>Sales: RWM</td> <td>Approved: JSD</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 2/17/2015</td> <td>Date: 2/17/2015</td> <td>Date: 2/17/2015</td> <td>Date: 2/17/2015</td> <td>48434</td> </tr> </table>	Entered: AP	Engineer: PE	Sales: RWM	Approved: JSD	Spec Number:	Date: 2/17/2015	Date: 2/17/2015	Date: 2/17/2015	Date: 2/17/2015	48434
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<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 style="text-align: center;">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</p> 										