


Model Number 1403-05ADB	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 5000 lb 2.0 mV/V ≤ 0.04 % FS ≤ 0.04 % FS ≤ 0.02 %RO 0.1 %/in 10 kHz 0.1 %/in 0.025 % ≤ 0.04 % FS	SI 22 kN 2.0 mV/V ≤ 0.04 % FS ≤ 0.04 % FS ≤ 0.02 %RO 0.1 %/25.4mm 10 kHz 0.1 %/25.4mm 0.025 % ≤ 0.04 % 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)	15 klb 5000 lb 5000 in-lb 5000 in-lb -65 to +200 °F +15 to +115 °F ± 0.0008 %Reading/°F ± 0.0008 %FS/°F	67 kN 22 kN 565 Nm 565 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 49605 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 084A55 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	4.12 in x 2.50 in 6.4 lb 5/8 - 18 UNF-3B Strain Gage 200 in-lb 0.001 in PT02E-10-6P (2)	104.60 mm x 63.50 mm 2.9 kg No Metric Equivalent Strain Gage 23 Nm 0.03 mm PT02E-10-6P (2)	[8]	<table border="1"> <tr> <td data-bbox="1136 824 1297 873">Entered: AP</td> <td data-bbox="1297 824 1459 873">Engineer: PE</td> <td data-bbox="1459 824 1621 873">Sales: RWM</td> <td data-bbox="1621 824 1782 873">Approved: JSD</td> <td data-bbox="1782 824 1944 873">Spec Number:</td> </tr> <tr> <td data-bbox="1136 873 1297 914">Date: 2/17/2015</td> <td data-bbox="1297 873 1459 914">Date: 2/17/2015</td> <td data-bbox="1459 873 1621 914">Date: 2/17/2015</td> <td data-bbox="1621 873 1782 914">Date: 2/17/2015</td> <td data-bbox="1782 873 1944 914">48432</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	48432
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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> 										



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