


Model Number 1411-02ADB	FATIGUE RATED LOW PROFILE LOAD CELL, DUAL BRIDGE			Revision: D ECN #: 43840										
Performance Measurement Range(100 x 10 ⁶ cycles) Sensitivity(± 10 %)(Rated Output) Non-Linearity Hysteresis Non-Repeatability Eccentric Load Sensitivity Resonant Frequency Side Load Sensitivity Creep(in 20 minutes) Static Error Band	<u>ENGLISH</u> 100 klb 2.0 mV/V ≤ 0.06 % FS ≤ 0.06 % FS ≤ 0.02 % FS ≤ 0.1 %/in 18 kHz ≤ 0.1 %/in 0.025 % ≤ 0.06 % FS	<u>SI</u> 445 kN 2.0 mV/V ≤ 0.06 % FS ≤ 0.06 % FS ≤ 0.02 % FS ≤ 0.1 %/25.4mm 18 kHz ≤ 0.1 %/25.4mm 0.025 % ≤ 0.06 % 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)	300 klb 100 klb 100k lbf-in 100k lbf-in -65 to +200 °F +15 to +115 °F ± 0.0008 %Reading/°F ± 0.0008 %FS/°F	1335 kN 445 kN 11.3k Nm 11.3k 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 51434 for Complete Dimensions										
Electrical Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance Zero Balance Output Polarity	350 Ohm 10 VDC ≥ 5k GOhm ≤ 1 % FS +Tension	350 Ohm 10 VDC ≥ 5k GOhm ≤ 1 % FS +Tension	[1] [2]	OPTIONAL ACCESSORIES: Model 084A40 Lifting Plug Model 084A41 Lifting Plug Model 084A58 Pre-Tension Stud Model 084A59 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	11.00 in x 7.00 in 135 lb 2 3/4 - 8 UN-3B Strain Gage 6000 lbf-in 0.001 in PT02E-10-6P (2)	279.40 mm x 177.80 mm 61.3 kg No Metric Equivalent Strain Gage 678 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>51822</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	51822
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<p>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.</p> <div style="text-align: right;"> <p>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> </div> <div style="text-align: center;">  <p>PCB LOAD & TORQUE A PCB GROUP COMPANY</p> </div>														