| Model Number | STRAIN GAGE LOAD CELL | Revision: NR |
|---|---|---|
| **054224-01324** | | ECN #: 37515 |

| **Performance** | **ENGLISH** | **SI** | |
|---|---|---|---|
| Measurement Range(Full Scale Capacity) | 71,942 lb | 320 kN | [1] |
| Sensitivity(output at rated capacity) | 1.50 mV/V | 1.50 mV/V | [1][4] |
| Non-Linearity | ± 5 % FS | ± 5 % FS | [4] |
| Hysteresis | ± 5 % FS | ± 5 % FS | [4] |
| Non-Repeatability | ± 2 % FS | ± 2 % FS | [4] |
| Resonant Frequency | 10 kHz | 10 kHz | |
| **Environmental** | | | |
| Overload Limit | 107,913 lb | 480 kN | |
| Temperature Range(Operating) | 0 to +200 ℉ | -18 to +93 ℃ | |
| Temperature Range(Compensated) | N/A ℉ | N/A ℃ | |
| Temperature Effect on Output(Maximum) | ± 0.02 %Reading/℉ | ± 0.036 %Reading/℃ | [3] |
| Temperature Effect on Zero Balance(Maximum) | ± 0.02 %FS/℉ | ± 0.036 %FS/℃ | [4] |
| **Electrical** | | | |
| Bridge Resistance | 350 ohm | 350 ohm | [1] |
| Excitation Voltage(Recommended) | 10 VDC | 10 VDC | [2] |
| Output Polarity(Compression) | Positive | Positive | |
| **Physical** | | | |
| Size (Diameter x Height) | 2.160 in x 0.735 in | 54.86 mm x 18.67 mm | |
| Fastener Size | 0.945 in | 24.00 mm | |
| Through Hole Diameter | 0.951 in | 24.16 mm | |
| Sensing Element | Strain Gage | Strain Gage | |
| Electrical Connector | pigtail ends | pigtail ends | |
| Electrical Connection Position | Side | Side | |

*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.

**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.

**NOTES:**

[1] Nominal.
[2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
[3] Over compensated operating temperature range.
[4] FS - Full Scale.

| Entered: DMW | Engineer: JSD | Sales: JC | Approved: GLB | Spec Number: |
|---|---|---|---|---|
| Date: 11/7/2011 | Date: 11/7/2011 | Date: 11/7/2011 | Date: 11/7/2011 | **48929** |

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**