



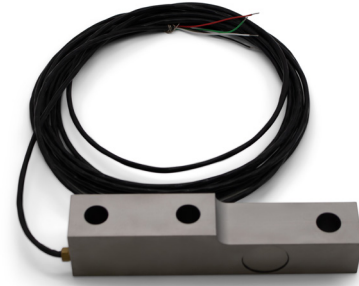
MEASUREMENT SPECIALISTS

NATIONAL SCALE TECHNOLOGY

SINGLE-ENDED BEAM LOAD CELLS

Optional configurations & features include:

- Capacities of 100 LBF through 200K LBF
- Hermetically-sealed versions available
- Integral cable or connector versions
- Custom capacities available



Single-Ended Beam Specifications

| | | | | | | | | |
|---|--|-----------------|-------------------------|-----------------|------------------|------------------------|--------------------|--------------------|
| Construction | Stainless Steel or High-Strength Alloy Steel + Heavy-Duty, 4-Conductor, Shielded Cable | | | | | | | |
| Example Capacities <i>U.S. LBF & Metric kN</i> | 100 LBF 0.4 kN | 500 LBF 2 kN | 1K LBF 4 kN | 5K LBF 22 kN | 10K LBF 44 kN | 50K LBF 222 kN | 100K LBF 444 kN | 200K LBF 889 kN |
| Excitation Voltage <i>AC / DC</i> | 10V–15V | | | | | | | |
| Output Configurations <i>±0.1% volts</i> | 2–3mV / V 0V–10V, 4mA–20mA (<i>customer preference</i>) | | | | | | | |
| Temperature Range <i>(additional ranges optional)</i> | 0°F — 150°F -17°C — 65°C | | | | | | | |
| Bridge Resistance <i>Input & Output, ±1% ohms</i> | 350Ω (<i>additional resistances available based on customer preference</i>) | | | | | | | |
| Insulation Resistance | 5000 MΩ | | | | | | | |
| Accuracy & Precision | Hysteresis: 0.03% RO | | Non-Linearity: 0.05% RO | | | Zero Balance: 1.00% RO | | |
| Maximum Load <i>% of cap</i> | Safe: 150% | | | | Ultimate: 300% | | | |

Please note that specifications or results may vary as we strive to improve our products. Additional information including dimensions and technical drawings available upon request.

We're called specialists for a reason,

- Welded construction to withstand harsh environments
- Best accuracies available in the industry
- Customized units available for every need
- Designed & produced in Huntsville Alabama, USA

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