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Double-Ended Beam Load Cell

FEATURES

• Capacities: 25k to 125k lbs

• Environmental protection: IP67 (DIN 40.050)

• Material: Nickel-plated steel

• Certified to NTEP class IIIL, 10000 divisions

Optional

 FM approved for use in potentially explosive atmosphere

APPLICATIONS

- Weighbridges
- Silos, tanks and hoppers

DESCRIPTION

The 5303 is a link loaded mid to high capacity, nickelplated alloy steel double-ended shear beam type load cell.

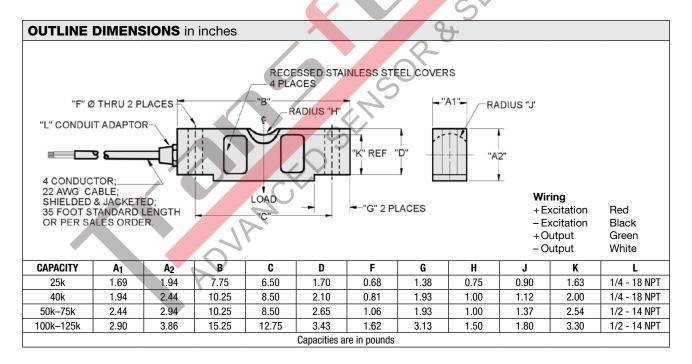
This product is designed for use in certified truck and rail scales and is available in capacities from 25k to 125k lbs.





This load cell is rated intrinsically safe by the FM system, making it suitable for use in potentially explosive atmospheres.

This load cell is certified for trade applications by American NTEP standards.



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Double-Ended Beam Load Cell

| SPECIFICATIONS | | | |
|--|-------------------------------------|--------------|--------------------|
| PARAMETER | VALUE | | UNIT |
| Standard capacities (E _{max}) | 25k, 40k, 50k, 60k, 75k, 100k, 125k | | lbs |
| Accuracy class according to NTEP | NTEP IIIL | Non-Approved | |
| Maximum no. of verification intervals (n/c) | 10000d | | |
| Rated output (=S) | 3.0 | | mV/V |
| Rated output tolerance | 0.0075 | | ±% mV/V |
| Zero balance | 1.0 | | ±% FSO |
| Combined error | 0.0200 | 0.0500 | ±% FSO |
| Temperature effect on min minimum dead load output | 0.0010 | 0.0250 | ±% FSO/5°C (/°F) |
| Temperature effect on sensitivity | 0.0008 | 0.0250 | ±% FSO/5°C (/°F) |
| Compensated temperature range | -10 to +40 (+14 to 104) | | °C (°F) |
| Operating temperature range | -18 to +65 (0 to +150) | | °C (°F) |
| Safe load limit | 150 | | % E _{max} |
| Ultimate load | 300 | | % E _{max} |
| Safe side load limit | 100 | | % E _{max} |
| Excitation voltage recommended | 10 | | V |
| Excitation voltage maximum | 15 | | V |
| Input resistance | 700±14 | | Ω |
| Output resistance | 703±4 | | Ω |
| Insulation resistance | Š1000 S | | ΜΩ |
| Environmental protection | IP67 | | |
| Element material | Nickel-plated steel | | ASTM |

Mounting:

Correct mounting of the load cells is essential to ensure optimum accuracy and performance. Further information is available upon request.

FSO-Full Scale Output

All specifications subject to change without notice.



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