

Universal Load Cell

FEATURES

- Capacities: 50 to 10,000 kg (50 to 20,000 lbs)
- Stainless steel construction
- Suitable for compression and tension applications
- Trimmed output versions standard
- Sealing: IP67
- Certified to OIML R-60, 3000d, NTEP class III, 10000 divisions
- **Optional**
 - FM approved for use in potentially explosive atmospheres



APPLICATIONS

- Suspended hoppers
- Overhead track scales
- Force measurement

DESCRIPTION

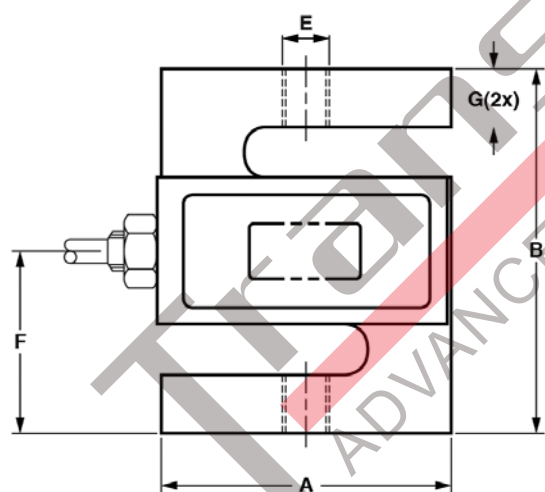
The 9363 is a multipurpose stainless steel S-type load cell which can be used in tension or compression.

This product is suitable for a wide range of hybrid scales, overhead track scales, belt scales, and process weighing applications.

Reliable sealing is ensured by the proprietary TRANSEAL potting compound and additional mechanical protection of the strain gage area.

This product meets the stringent Weights and Measures requirements throughout Europe and the USA.

OUTLINE DIMENSIONS in millimeters



Cable specifications

Cable length: 6m
 Excitation + Red
 Excitation - Black
 Output + Green
 Output - White
 Shield Transparent
 Cable screen is not connected to the load cell body.

| Cap (kg) | 50, 100 | 250, 500 | 1000 | 2500 | 5000 | 7500 | 10000 |
|-----------|-------------------|---------------|----------|---------------|------|-------------|----------------|
| Cap (lbs) | 50, 100, 200, 300 | 500-1.5k | 2k, 2.5k | 3k*, 5k | 10k | 15000 | 20000 |
| A | 50.8 | 50.8 | 50.8 | 76.2 | 74.7 | 87.4 | 112.8 |
| B | 61.0 | 61.0 | 61.0 | 99.1 | 99.1 | 139.7 | 177.8 |
| C | 11.7 | 18.0 | 24.4 | 24.4 | 30.7 | 37.1 | 42.9 |
| D max | 16.5 | 22.9 | 29.2 | 29.2 | 35.6 | 41.4 | 47.8 |
| E (kg) | M8 x 1.25-6H | M12 x 1.75-6H | | M20 x 1.5-6H8 | | M24 x 2-6H | M30 x 2-6H |
| E (lbs) | 1/4-28UNF-2B | 1/2-20UNF-2B | | 3/4-16UNF-2B | | 1"-14UNS-2B | 1 1/4-12UNF-2B |
| F | 30.5 | 30.5 | 30.5 | 49.5 | 49.3 | 69.9 | 88.9 |
| G | 8.9 | 8.9 | 8.9 | 14.0 | 15.7 | 22.4 | 31.8 |

*3k lb version has 1/2-20UNF-2B holes.

Universal Load Cell

| SPECIFICATIONS | | | | |
|--|--|--------------|------------------------|--------------------------|
| PARAMETER | VALUE | | | UNIT |
| Standard capacities (E _{max}) | 50, 100, 250, 500, 1000, 2500, 5000, 7500, 10000* | | | kg |
| Standard capacities (E _{max}) | 50, 75, 100, 150, 200, 250, 300, 500, 750, 1k, 1.5k, 2k, 3k, 5k, 10k, 15k, 20k | | | lbs |
| Accuracy class per OIML R-60 / NTEP | NTEP IIIL | Non-Approved | OIML C3 | |
| Maximum no. of verification intervals (n) | 10000 | D3 | 3000 | |
| Minimum verification intervals (V _{min}) | | | E _{max} /9000 | |
| Rated output (=FS) | 3.0 | | | mV/V |
| Rated output tolerance | 0.0075 | | | ±mV/V |
| Zero balance | 1.0 | | | ±% FSO |
| Combined error | 0.0200 | 0.0300 | 0.0200 | ±% FSO |
| Non-repeatability | 0.0100 | 0.0100 | 0.0100 | ±% FSO |
| Minimum dead load output return | | 0.0300 | 0.0165 | ±% applied load |
| Temp. effect on min. dead load output | (0.001) | (0.0015) | 0.0140 | ±% FSO/5°C (°F) |
| Temperature effect on sensitivity | (0.0008) | (0.0008) | 0.0055 | ±% applied load/5°C (°F) |
| Maximum safe overload | 150 | | | % E _{max} |
| Ultimate overload | 250 | | | % E _{max} |
| Excitation voltage | 5 to 12 | | | V |
| Maximum excitation voltage | 15 | | | V |
| Input resistance | 390±15 | | | Ω |
| Output resistance | 350±3.5 | | | Ω |
| Insulation resistance | ≥5000 | | | MΩ |
| Compensated temperature range | 14 to +104°F | -10 to +40 | | °C |
| Operating temperature range | -65 to +200°F | -40 to +80 | | °C |
| Element material (DIN) | Stainless steel | | | |
| Sealing (DIN 40.050) | IP67 | | | |

* 10000 kg is not OIML approved

FSO—Full Scale Output

All specifications subject to change without notice.

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