

Compression Load Cell

FEATURES

- Capacities: 10–100T
- Low profile, multi-column stainless steel construction
- Hermetically sealed, IP66 and IP68
- Certified to OIML R-60, 4000d and NTEP class III L 10000 divisions
- Built-in surge protection tubes (GDTs)
- Current calibration output (SC version) ensures easy and accurate parallel connection of multiple load cells
- **Optional**
 - ATEX and FM certified versions are available for use in potentially explosive atmospheres
 - Digital version available (Model SCC)
 - Multi-interval and multiple range versions available
 - Imperial capacities (25k, 50k, 100k, 200k lbs) not OIML approved



APPLICATIONS

- Truck and rail weighbridges
- Silo and hopper weighing
- Process weighing

DESCRIPTION

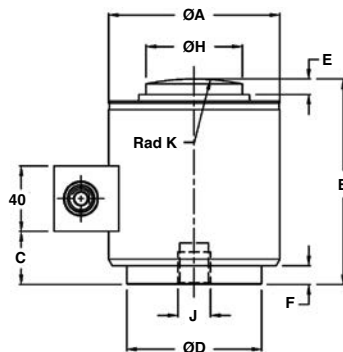
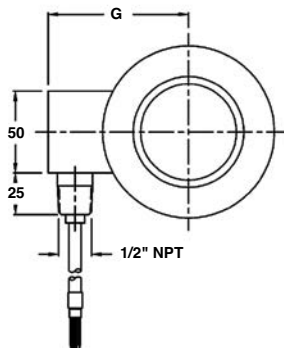
The CSP-M is a multi-column, low profile, stainless steel compression load cell. The unique four column design offers excellent insensitivity to eccentric loads while maintaining accuracy.

This product is, without doubt, one of the most successful compression cells ever produced and is suitable for use in road and rail weighbridges and process weighing applications.

The fully leak-tested welded construction, advanced cable entry, and built-in surge protection tubes ensure that this product can be used successfully in harsh environments.

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

OUTLINE DIMENSIONS in millimeters



Cable specifications

| | |
|--------------|---------------------------|
| Cable length | 20m (10m for 10T version) |
| Excitation + | Green |
| Excitation - | Black |
| Output + | White |
| Output - | Red |
| Shield | Transparent |

Cable screen is not connected to load cell body. Performance may be affected if load cell cables are shortened.

| Capacity | 10, 25 | 40, 60 | 100 |
|--------------|----------------------|------------------------|-------|
| A | 72.0 | 105.0 | 150.0 |
| B | 83.0 | 127.0 | 185.0 |
| C | 13.0 | 35.0 | 70.0 |
| D | 58.0 | 82.5 | 123.8 |
| E | 6.5 | 8.0 | 23.6 |
| F | 1.8 | 11.0 | 21.8 |
| G | 63.0 | 83.0 | 107.0 |
| H | 32.0 | 59.0 | 80.0 |
| J | M12x1.75 (8 Deep) | M20 x 2.5 (20 Deep) | |
| K Rad | 150.0 | 150.0 | 430.0 |

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