

# T65



## TENSION LOAD CELL FOR INDUSTRIAL WEIGHING

*capacities 50kg - 3000kg*



This folded bending beam load cell is manufactured from high quality tool steel, and fully sealed to IP67.

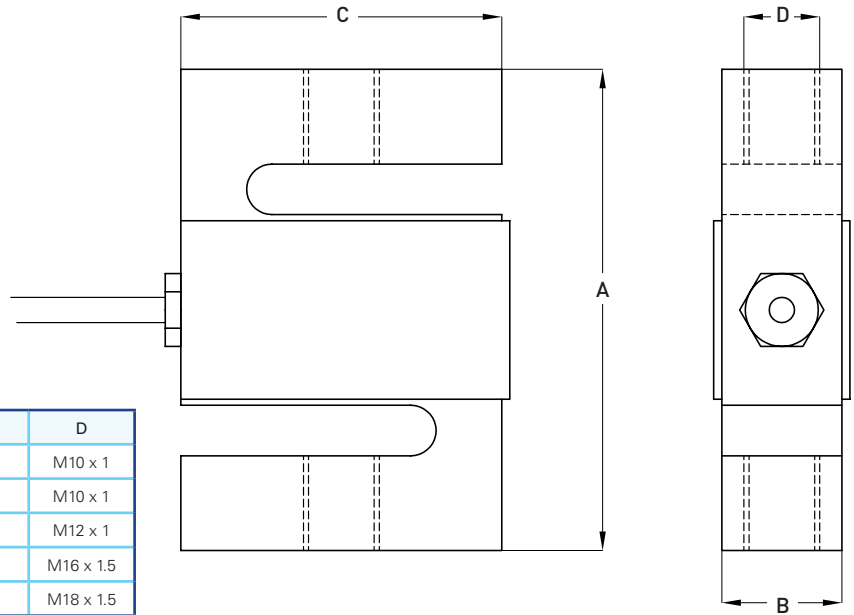
Although normally utilised in tension, given the suitable adaptors and the appropriate application, it is possible to use the cell in compression or even in a bi-directional manner.

The cell is typically used in tank and vessel weighing, bag filling machines, concrete batching equipment and conveyors.

- High quality steel load sensor
- Fully potted & sealed to IP67
- Corrosion resistant
- Simple low cost installation
- Industry standard configuration
- 3 year warranty
- Suitable for use in tension, compression or bi-directional manner
- Optional proof tested eyebolts or rod end bearings

# T65

technical specification...



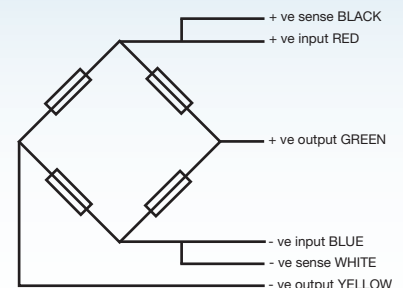
## Dimensions

| Capacity (kg) | A    | B  | C    | D         |
|---------------|------|----|------|-----------|
| 50 - 200      | 76.2 | 19 | 50.8 | M10 x 1   |
| 300           | 76.2 | 25 | 50.8 | M10 x 1   |
| 500 - 1000    | 76.2 | 25 | 50.8 | M12 x 1   |
| 2000          | 86   | 32 | 70   | M16 x 1.5 |
| 3000          | 100  | 50 | 80   | M18 x 1.5 |

## T65 Load Cell

|                                    | Load cell specification                  | Units         |
|------------------------------------|------------------------------------------|---------------|
| Load Cell Capacities               | 50, 100, 200, 300, 500, 1000, 2000, 3000 | kg            |
| Rated Output                       | 2                                        | mV/V +/- 0.1% |
| Combined Error                     | < +/- 0.017                              | %*            |
| Non-repeatability                  | < +/- 0.015                              | %*            |
| Creep (30 minutes)                 | < +/- 0.016                              | %*            |
| Temperature Effect on Zero Balance | < +/- 0.002                              | %* / °C       |
| Temperature Effect on Span         | < +/- 0.0012                             | %* / °C       |
| Compensated Temperature Range      | -10 to +40                               | °C            |
| Operating Temperature Range        | -30 to +70                               | °C            |
| Safe Overload                      | 150                                      | %*            |
| Ultimate Overload                  | 300                                      | %*            |
| Zero Balance                       | < +/- 2                                  | %*            |
| Input Resistance                   | 380                                      | Ω +/- 5       |
| Output Resistance                  | 350                                      | Ω +/- 3       |
| Insulation Resistance              | > 5000                                   | MΩ @ 100V     |
| Recommended Supply Voltage         | 10                                       | V             |
| Maximum Supply Voltage             | 15                                       | V             |
| Environmental Protection           | IP67                                     |               |
| Cable Length                       | 5                                        | m             |
| Nominal Shipping Weight            | 50 - 200kg                               | 0.5 kg        |
|                                    | 300 - 1000kg                             | 0.7 kg        |
|                                    | 2000kg                                   | 1.2 kg        |
|                                    | 3000kg                                   | 2.4 kg        |

\*All percentages are related to Full Rated Load



## Electrical Connections

Via 6 wire, 6.3mm diameter, screened polyurethane cable.  
Screen not connected electrically to load cell.

## Construction

High quality tool steel and nickel plated.

## Options

- Spherical rod end bearings
- Adaptors for compression / bi-directional use

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Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.