T65

Thames Side

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.

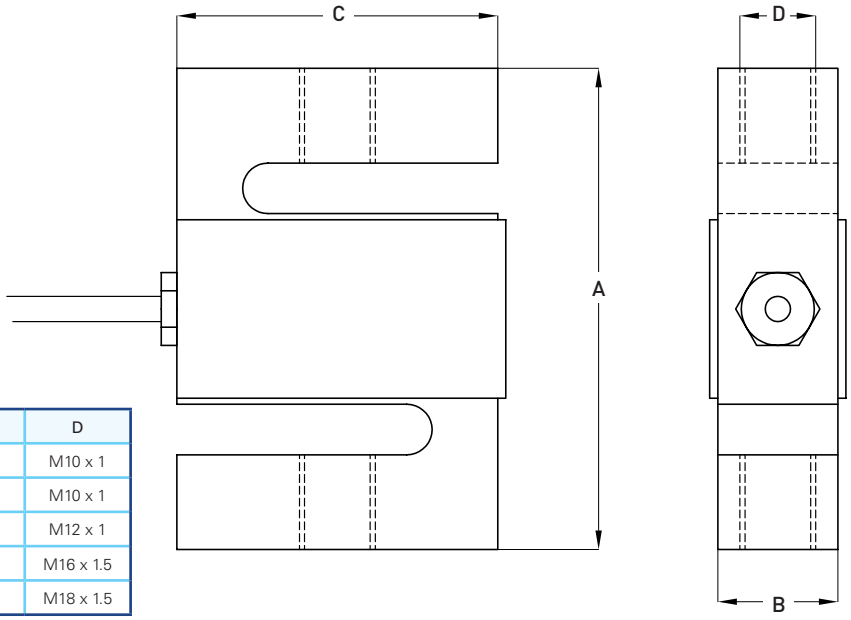
The cell is typically used in tank and vessel weighing, bag filling machines, concrete batching equipment and conveyors.

- 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...

Thames Side



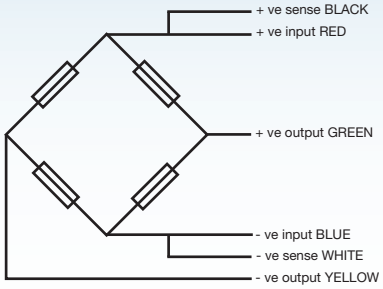
Dimensions

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

THAMES SIDE SENSORS LTD

DISTRIBUTED BY:

MECO
MEASUREMENTS & CONTROLS

Via Enrico Cernuschi, 4 20129 Milano
Tel. +39 02 4 692 680 Fax +39 02 4 694 602 info@mecoitalia.it www.mecoitalia.it

Issue: T65.01.17

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