T60

Thames Side

TENSION LOAD CELL FOR INDUSTRIAL WEIGHING

capacities 50kg - 6000kg



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

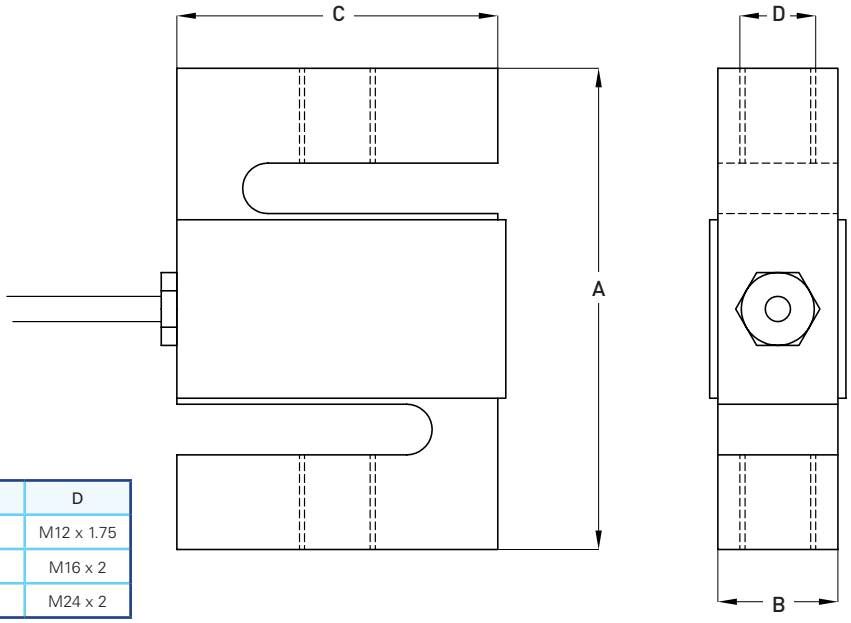
Although normally utilised in tension, given the suitable adaptors and the appropriate application, it is possible to use the cell in compression or even in a bi-directional manner.

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

T60

technical specification...



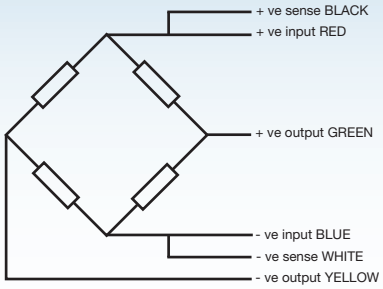
Dimensions

Capacity (kg)	A	B	C	D
50 - 1000	80	19	62.1	M12 x 1.75
1500 - 2000	90	32	70	M16 x 2
3000 - 6000	120	45	100	M24 x 2

T60 Load Cell

		Load cell specification	Units
Load Cell Capacities		50, 100, 150, 200, 300, 500, 750, 1000, 1500, 2000, 3000, 5000, 6000	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		400	Ω +/- 20
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		6	m
Nominal Shipping Weight	**50 - 1000kg**	0.7	kg
	1500 - 2000kg	1.25	kg
	3000 - 6000kg	3.25	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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THAMES SIDE SENSORS LTD

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