

T61

 **Thames Side**

TENSION LOAD CELL FOR INDUSTRIAL WEIGHING

capacities 50kg - 1000kg



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.

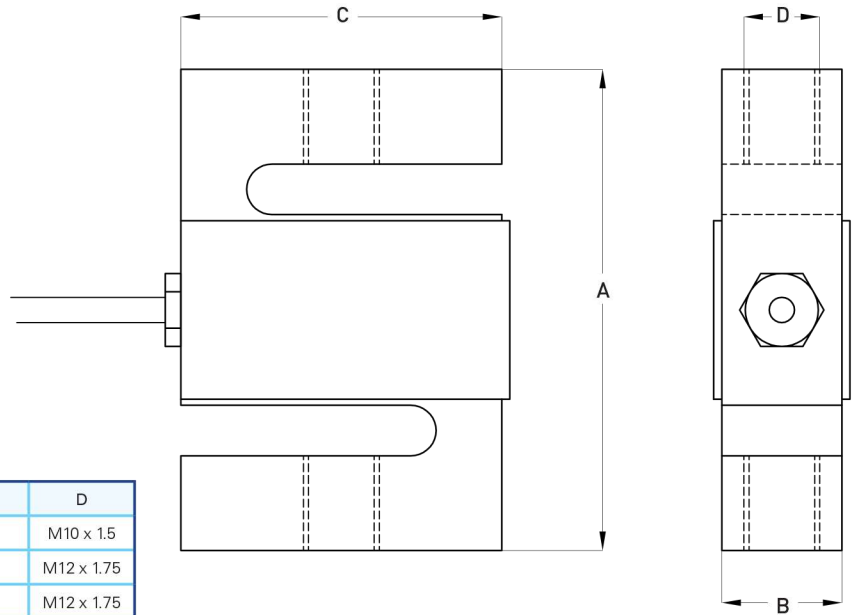
The cell is typically used in tank and vessel weighing, bag filling machines, concrete batching equipment and conveyors.

- 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

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technical specification...



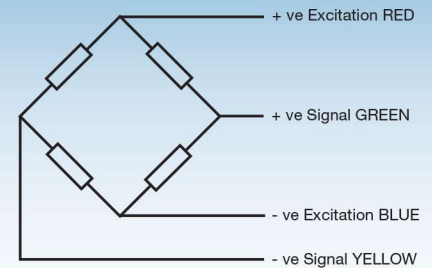
Dimensions

Capacity (kg)	A	B	C	D
50 - 100	76.2	15	50	M10 x 1.5
250 - 500	76.2	19	50	M12 x 1.75
1000	75	25	50	M12 x 1.75

T61 Load Cell

	Load cell specification	Units
Load Cell Capacities	50, 100, 250, 500, 1000	Kg
Rated Output	3	mV/V \pm 0.25%
Combined Error	$< \pm 0.035$	%*
Non-repeatability	$< \pm 0.015$	%*
Creep (30 minutes)	$< \pm 0.03$	%*
Temperature Effect on Zero Balance	$< \pm 0.0025$	%* / °C
Temperature Effect on Span	$< \pm 0.005$	%* / °C
Compensated Temperature Range	0 to +50	°C
Operating Temperature Range	-40 to +80	°C
Safe Overload	150	%*
Ultimate Overload	300	%*
Zero Balance	$< \pm 1$	%*
Input Resistance	380	$\Omega \pm 30$
Output Resistance	350	$\Omega \pm 1.5$
Insulation Resistance	> 5000	M Ω @ 100V
Recommended Supply Voltage	5-15	V
Maximum Supply Voltage	15	V
Environmental Protection	IP67	
Cable Length	5	m
Nominal Shipping Weight (50-500kg)	0.5	kg
Nominal Shipping Weight (1000kg)	0.75	kg

* All percentages are related to Full Rated Load



Electrical Connections

Via 4 wire, 5.7mm diameter, screened polyurethane cable.

Screen not connected electrically to load cell.

Construction

High quality tool steel and nickel plated over copper.

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.

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