

# 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.

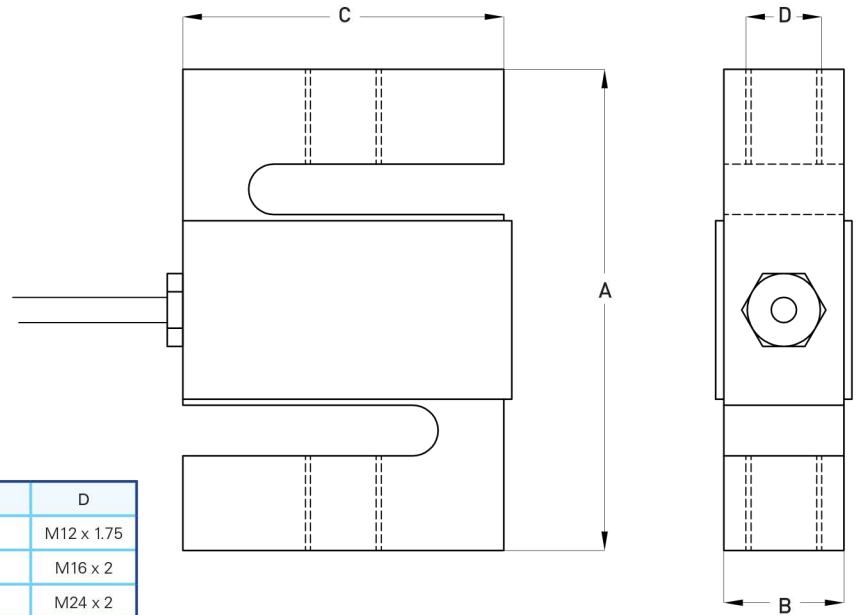
The cell is typically used in tank and vessel weighing, bag filling machines, concrete batching equipment and conveyors.

- 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

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# T60

technical specification...



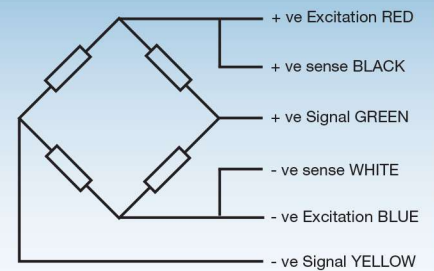
## Dimensions

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 $\pm$ 0.1%
Combined Error	$< \pm 0.017$	%*
Non-repeatability	$< \pm 0.015$	%*
Creep (30 minutes)	$< \pm 0.016$	%*
Temperature Effect on Zero Balance	$< \pm 0.002$	%* / °C
Temperature Effect on Span	$< \pm 0.0012$	%* / °C
Compensated Temperature Range	0 to +50	°C
Operating Temperature Range	-30 to +70	°C
Safe Overload	150	%*
Ultimate Overload	300	%*
Zero Balance	$< \pm 2$	%*
Input Resistance	400	$\Omega \pm 20$
Output Resistance	350	$\Omega \pm 3$
Insulation Resistance	$> 5000$	M $\Omega$ @ 100V
Recommended Supply Voltage	5-15	V
Maximum Supply Voltage	15	V
Environmental Protection	IP67	
Cable Length	5	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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Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.