

# HIGH ACCURACY SINGLE POINT LOAD CELL WITH OVERLOAD PROTECTION

capacities 5kg - 35kg

**NEW**



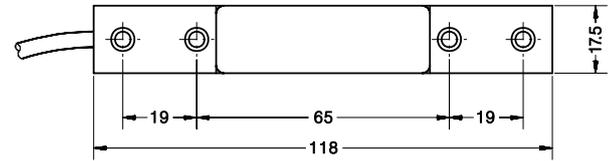
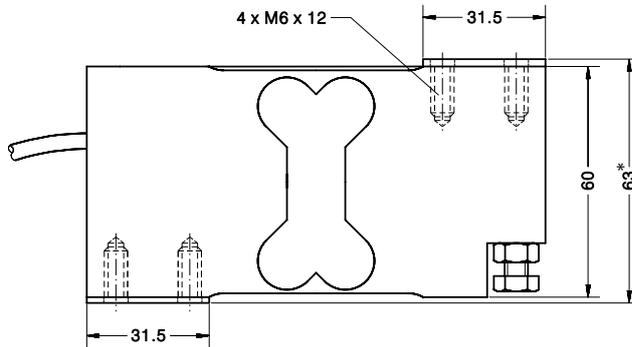
The T6 load cell is specifically designed as a high accuracy, reliable and simple solution for dynamic applications such as multi-head weighers, check weighers and filling machines.

Its integral overload stop offers excellent protection against accidental damage from excessive vertical forces. The aluminium alloy construction, wide operating temperature range and IP66 sealing make it ideally suited for use in a range of different environmental conditions. It exhibits high accuracy with off-centre loads.

- Double bending beam load cell
- High quality aluminium alloy load sensor
- High accuracy with off-centre loads
- Potted and silicone sealed to IP66
- 4000 divisions
- Combined error +/- 0.013%
- 1 year warranty
- 500 x 500mm maximum platform size (load cell placed centrally under the platform)

# T6

technical specification...

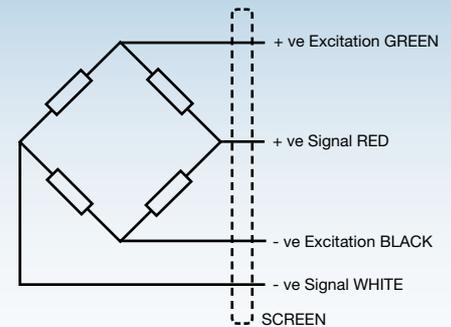


All dimensions in mm

\* Dimension 63 is achieved when the upper and lower spacers (size 31.5 x 17.5) are used

## T6 Load Cell

	Load cell specification	Units
Load Cell Capacity ( $E_{max}$ )	5, 7.5, 10, 15, 20, 35	kg
Rated Output ( $S_n$ )	2	mV/V $\pm$ 10 %
Accuracy class	4000	-
Combined Error	$< \pm 0.013$	% $S_n$
Non-repeatability	$< \pm 0.01$	% $S_n$
Minimum load cell interval	$E_{max} / 9000$	kg
Creep (30 minutes)	$< \pm 0.012$	% $S_n$
Temperature Effect on Zero Balance	$< \pm 0.01$	% $S_n / 5^\circ C$
Temperature Effect on Span	$< \pm 0.006$	% $S_n / 5^\circ C$
Compensated Temperature Range	-10 to +40	$^\circ C$
Operating Temperature Range	-20 to +70	$^\circ C$
Safe Overload	150	% $E_{max}$
Ultimate Overload	200	% $E_{max}$
Zero Balance	$< \pm 2$	% $S_n$
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	IP66	-
Maximum deflection at $E_{max}$	0.2 - 0.4	mm
Cable Length	5	m
Cable Material	PVC	-
Nominal Shipping Weight	0.45	kg



### Electrical Connections

Via 4 core, 4mm diameter, screened PVC cable.  
Screen not connected electrically to load cell.

### Construction

Load cell manufactured from premium aluminium alloy

\* Load limit applies to central loads only. Load limit for off-centre loads will be lower.

## Thames Side Sensors India Pvt. Ltd.

A subsidiary of Thames Side Sensors Ltd. (UK)

C-6 & C-7, Hind Saurashtra Industrial Estate, Near Mittal Industrial Estate,  
Marol Naka, Andheri-Kurla Road, Andheri-East, Mumbai-400 059

T: +91 22 2850 6711

E:sales@thames-side.in

www.thames-side.in

CIN U31908MH2011FTC219481



Issue: IN/T6.06.19

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