T85-N

Thames Side

SHEAR BEAM LOAD CELL FOR INDUSTRIAL WEIGHING

capacities 300kg - 2000kg

The T85-N low cost shear beam load cell is ideal for applications where a fully welded, hermetically sealed, stainless steel load cell is not required. It is manufactured from alloy steel and nickel plated, with the strain gauged pockets protected by a silicone compound giving protection to IP66.

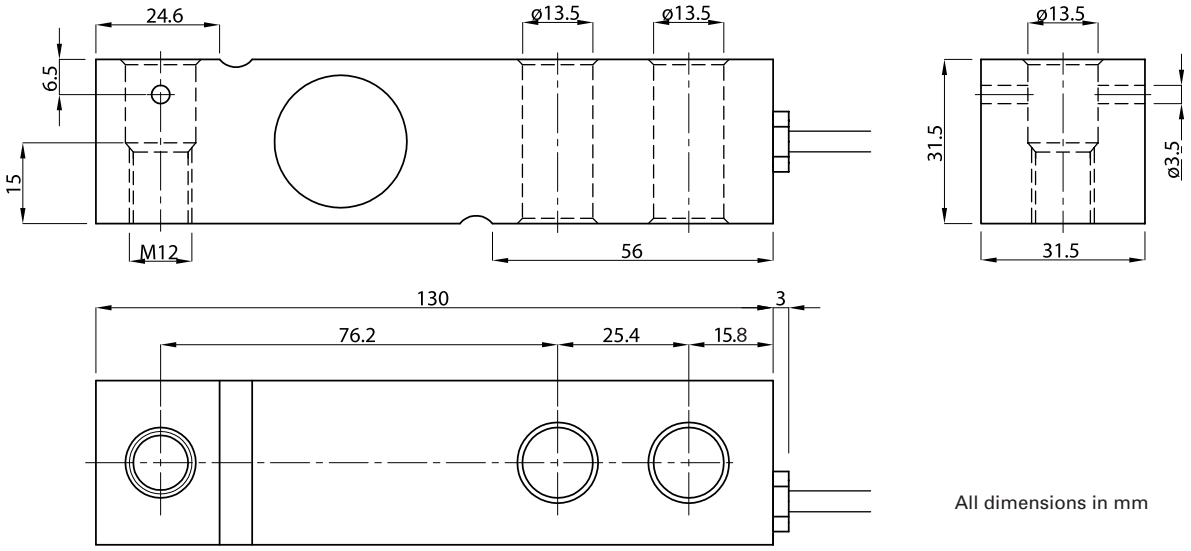
This cell is typically used in weighing platforms, tank and vessel weighing, big-bag (FIBC) filling machines and conveyors. It is approved to OIML R60 3000 divisions and calibrated in mV/V/Ω by output current matching – which minimises corner correction time on multi-cell platform scales.

- Nickel plated steel alloy load sensor
- Cost effective
- Silicone sealed to IP66; PVC cable
- 3000 divisions OIML R60 Class C approval (C3)
- Simple low cost installation
- Calibrated in mV/V/Ω
- 5 year warranty
- Industry standard configuration
- Optional load feet or mounting plate/spacer kit
- Optional anti-vibration loading assembly

OIML

T85-N

technical specification...

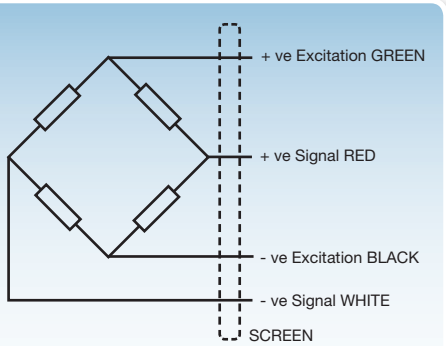


All dimensions in mm

T85-N Load Cell

	Load cell specification	Units
Load Cell Capacity (E_{max})	300, 500, 750, 1000, 1500, 2000	kg
Rated Output (S_n)	2	mV/V*
Accuracy Class according to OIML R60: number of verification intervals (n)	3000	n.OIML
Combined Error	< ± 0.017	% S_n
Non-repeatability	< ± 0.015	% S_n
Minimum load cell verification interval (v_{min}) = E_{max} / Y	E_{max} / 10000	kg
Creep (30 minutes)	< ± 0.016	% S_n
Temperature Effect on Zero Balance	< ± 0.002	% S_n / °C
Temperature Effect on Span	< ± 0.0012	% S_n / °C
Compensated Temperature Range	-10 to +40	°C
Operating Temperature Range	-30 to +70	°C
Safe Load Limit (E_{lim})	200	% E_{max}
Zero Balance	< ± 2	% S_n
Input Resistance	400	Ω ± 20
Output Resistance	350	Ω ± 3
Insulation Resistance	> 5000	MΩ @ 100V
Recommended Supply Voltage	5-15	V
Maximum Supply Voltage	15	V
Environmental protection according to EN 60529	IP66	-
Cable Length	5	m
Cable Material	PVC	-
Maximum deflection at E_{max}	0.2 - 0.4	mm
Nominal Shipping Weight	0.9	kg

* Pre-corner adjustment optimised at ± 0.05% by output current calibration



Electrical Connections

Via 4 core, 6mm diameter, screened PVC cable.
Screen not connected electrically to load cell.

Construction

Nickel plated alloy steel

DISTRIBUTED BY:

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