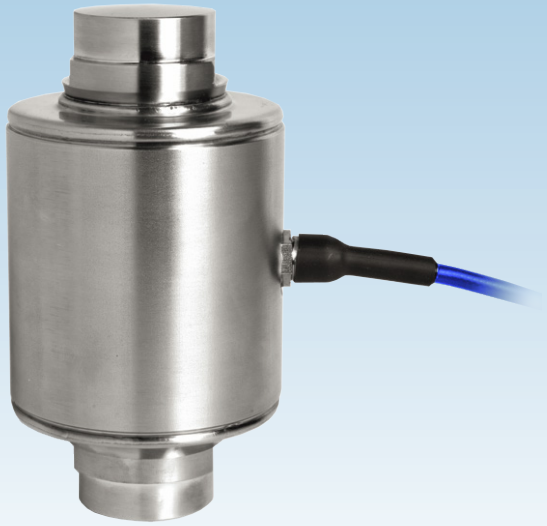
T35D

Thames Side

DIGITAL COMPRESSION COLUMN LOAD CELL FOR WEIGHBRIDGES/TRUCK SCALES

capacities 30t, 40t



This **digital** stainless steel self-centering rocker column load cell is fully welded and hermetically sealed, with protection to IP68/IP69K. It is an ideal solution for weighbridges/truck scales thanks to its approval to OIML C4 (4000 divisions), as well as in-built lightning surge arrestors and a tough, durable polyurethane cable. It has an **open protocol**, so it can be used with virtually any weight indicator. Anti-rotation is achieved by means of 2 flat faces on either side of the load cell base, with corresponding flat faces in the lower mounting cup.

Digital load cells possess many advantages, compared with analogue load cells – such as **much faster and simpler corner adjustment, as well as individual load cell fault diagnostics**.

For use in weighbridges/truck scales a set of zinc plated steel mounting adapters, centering discs and bolts is available as an optional item.

For applications in aggressive environments where stress corrosion or acid attack could be an issue, a special Parylene coating can be specified as an option.

- Open digital protocol
- Fully welded and hermetically sealed to IP68/ IP69K
- In-built surge arrestors for lightning protection
- Simple and fast installation
- Configuration and software can be updated using serial interface
- Self-centering rocker column design with anti-rotation faces
- Mounting cup accessories available
- Digital interface RS485 (full duplex)
- 3 year warranty

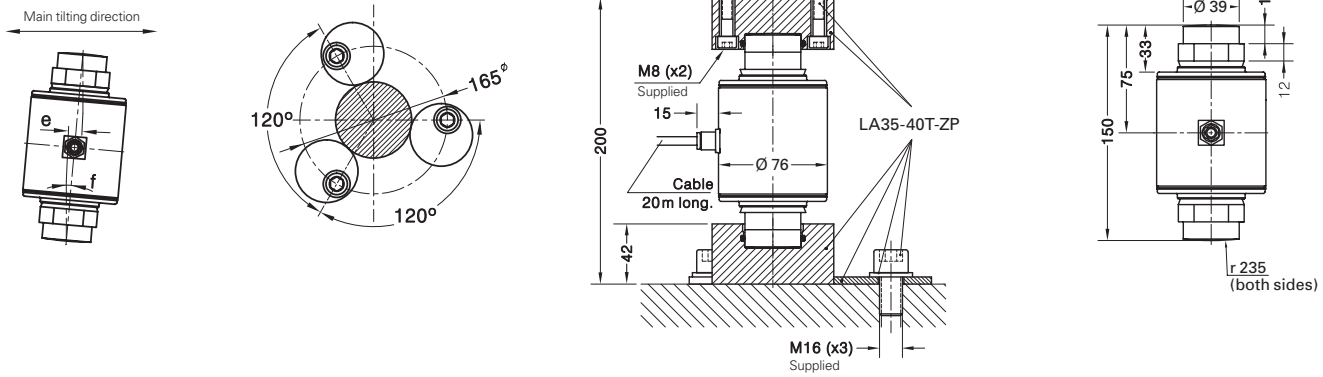
Advantages of the digital T35D load cell over the analogue T35 load cell:

- Higher resolution (up to 1,000,000 steps from zero to full scale)
- Intelligent compensation for each individual load cell
- Easier, faster maintenance with continuous, individual self-diagnosis
- Direct PC connection via RS485 bus and RS232 converter, up to 1200 metres away
- Internal signal filtering
- Higher protection against EMC interference
- Simpler and faster corner adjustment
- Remote diagnostics via modem using direct PC connection

OIML

T35D

technical specification...



T35D Load Cell

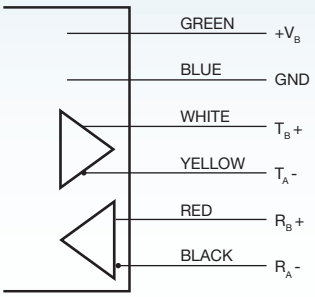
		Load cell specification	Units
Load Cell Capacities		30, 40	tonnes
Rated Output		200000 ± 0.05%	counts **
Combined error		< ± 0.013	%*
Non-repeatability		< ± 0.01	%*
Minimum load cell verification interval (v_{min}) = Capacity / Y		Capacity / 12000	kg
Creep (30 minutes)		< ± 0.012	%*
Temperature Effect on Zero Balance		< ± 0.002	%* / °C
Temperature Effect on Span		< ± 0.0012	%* / °C
Compensated Temperature Range		0 to +50	°C
Operating Temperature Range		-30 to +70	°C
Safe Overload		200	%*
Ultimate Overload		350	%*
Zero Balance		± 0.1	%*
RS485 Serial Interface Output		Full Duplex	
Max. transmission cable length		1200	m
Insulation Resistance		> 5000	MΩ @100v DC
Recommended Supply Voltage		8-18	V
Maximum Supply Current		60	mA
Cable Material		Polyurethane	
Protection Class		IP68/IP69K	
Nominal Shipping Weight	30t, 40t Load Cell	3.6	kg
	Accessory LA35-40T-ZP	3.7	kg

* All percentages are related to Rated output
** User programmable

Dimensions

e max.	10.5
f max. permitted tilting	5°

All dimensions are in mm



Electrical Connections

Via 6 wire, 5.7mm diameter, screened polyurethane cable.
Screen not connected electrically to load cell.

Construction

Load cell manufactured from stainless steel

Options

Mounting accessory set comprising zinc plated steel top & bottom mounting cups, centering discs, 3 off M16 bolts and 2 off M8 bolts. Part number LA35-40T-ZP.

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/T35D.10.16

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