

DIGITAL COMPRESSION COLUMN LOAD CELL FOR WEIGHBRIDGES AND SILO WEIGHING

capacities 15t - 60t



This digital self-centering column load cell is manufactured from high quality stainless steel and has lightning surge arrestors fitted as standard, together with a high specification polyurethane cable for high durability and protection.

A comprehensive range of capacities is available. The Model T34D cell is designed specifically for weighbridge applications, for which mounting cup accessory sets in either stainless steel or nickel plated alloy steel are available as options, as well as silo and tank weighing applications where digital load cells are desired. For applications in aggressive environments where stress corrosion or acid attack is an issue, a special parylene coating can be specified as an option.

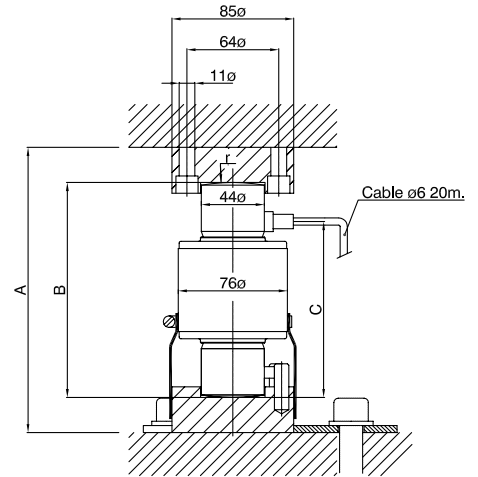
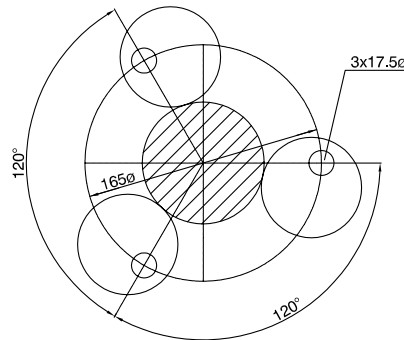
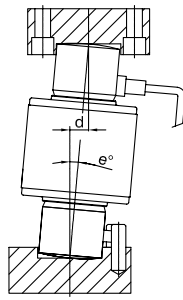
- Stainless steel load sensor
- Hermetically welded and sealed to IP68/IP69K
- In-built surge arrestors for lightning protection
- Simple installation
- Configuration and software can be updated using a serial interface
- Self-centering column design with anti-rotation pin
- 4000 divisions OIML R60 Class C
- Mounting accessories available
- Digital interface RS485, full duplex
- 3 year warranty

Advantages of the digital T34D load cell over the analogue T34 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
- High protection against EM interference
- Simpler and faster corner adjustment
- Remote diagnostics via modem using direct PC connection

T34D

technical specification...



T34 Load Cell

	Load cell specification	Units
Load Cell Capacities	15, 30, 40, 60	t
Rated Output	200000 +/- 0.05%	counts
Combined Error	< +/- 0.013	%*
Non-repeatability	< +/- 0.01	%*
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	150	%*
Ultimate Overload	350	%*
Zero Balance	< +/- 0.1	%*
RS485 Serial Interface Output	Full Duplex	
Transmission cable length	1200	m
Insulation Resistance	> 5000	MΩ @100v
Recommended Supply Voltage	8 - 18	V
Maximum Supply Current	15 - 60	mA
Environmental Protection	IP68, IP69K	

*All percentages are related to Rated output

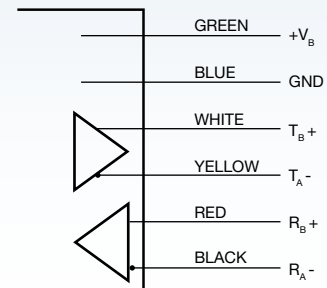
T34D Silo Mounting Accessories



Dimensions

Capacity	15t	30t	40t	60t
A	200	200	200	260
B	150	150	150	210
C	123	123	123	153
d max.	13	13	13	11
e° max.	5°	5°	5°	3°
r sph. radius	130	160	180	220

All dimensions are in mm



Electrical Connections

Via 6 wire, 5.7mm diameter polyurethane cable.

Construction

Load cell manufactured from stainless steel

Options

- Mounting accessory set comprising stainless steel or nickel plated alloy steel top and bottom mounting cups, rubber gaiter and centering plates
- T34 Silo Mount loading assembly (for use up to 60t capacity)

DISTRIBUTED BY:



THAMES SIDE SENSORS LTD

Unit 10, io Trade Centre, Deacon Way, Reading, Berkshire RG30 6AZ

tel: +44 (0) 118 941 1387

fax: +44 (0) 118 941 2004

sales@thames-side.co.uk

www.thames-side.com

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

