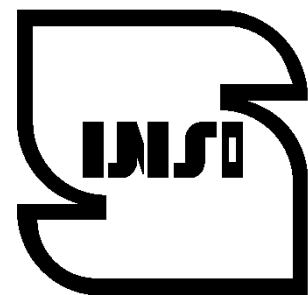


TCLC-D Compression load cell



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Product description

We pioneered the concept of the single column compression load cell – the TCLC-D. Compact and yet very robust the TCLC-D is available in a range of capacities from 10t through to 40t. The rocker column design ensures that the optimum weighing accuracy is achieved when subjected to scale deck movement.

The digital TCLC-D compression load cell features embedded electronics that improve system accuracy and load cell handling and allows the user to communicate with each load cell independently.

Key features

Alloy steel rust-resistant construction

IP68 protection

Easy communication (RS485)

Extensive diagnostic capabilities to monitor load cell condition

Improved handling of corner adjustment

Self-restoring column design

Lighting Protection

Applications

industrial platform scales

ladle weighing systems

Silo weighing systems

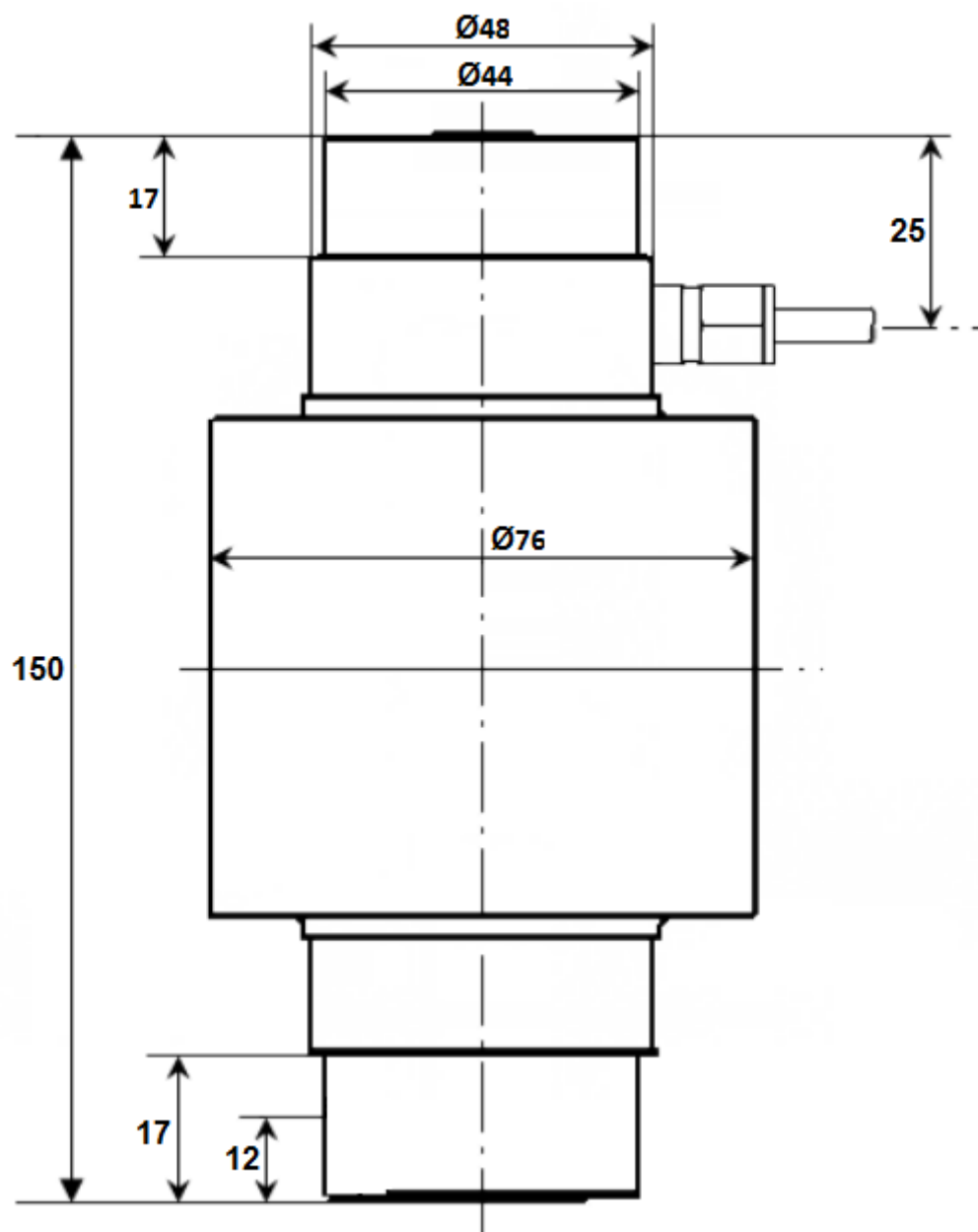
Truck scales

Railroad scales

Specifications

Detailed specifications		
Accuracy class	C3	
Output sensitivity (= FS)	counts	$200,000 \pm 200 (\pm 0.1\% * RO)$
Maximum capacity (E _{max})	t	10, 20, 30, 40
Max.number of load cell intervals	nLC	3000
Ratio of min. LC verification interval	$Y = E_{max} / v_{min}$	10000
Combined Error	%FS	$\leq \pm 0.04$
Minimum dead load	Of E _{max}	0%
Safe overload	of E _{max}	120 %
Ultimate overload	of E _{max}	250 %
Zero balance	counts	$\pm 2,000 (\pm 1\% * RO)$
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	15
Internal resolution	counts	500,000
Current consumption	mA	< 40
Baud Rate	bps	2400-4800-9600-19200-38400
Asynchronous interface		RS485 half duplex
Compensated temperature	°C	-10 ~ +40
Operating temperature	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material	Alloy steel	
Ingress Protection (acc. to EN 60529)	IP68	

Product dimensions (mm)



Wiring

Shielded, 4 conductor cable.
Cable diameter: Ø5.0mm.
Standard cable length for 12m.

