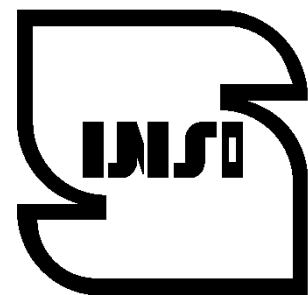


TCLC Compression load cell



سازمان ملی استاندارد ایران

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Product description

We pioneered the concept of the single column compression load cell – the TCLC. Compact and yet very robust the TCLC 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.

Key features

Alloy steel rust-resistant construction

IP68 protection

Calibration in mV/V/ Ω

Optimized for parallel connection

High input resistance

Self-restoring column design

Lighting Protection

Applications

industrial platform scales

ladle weighing systems

Silo weighing systems

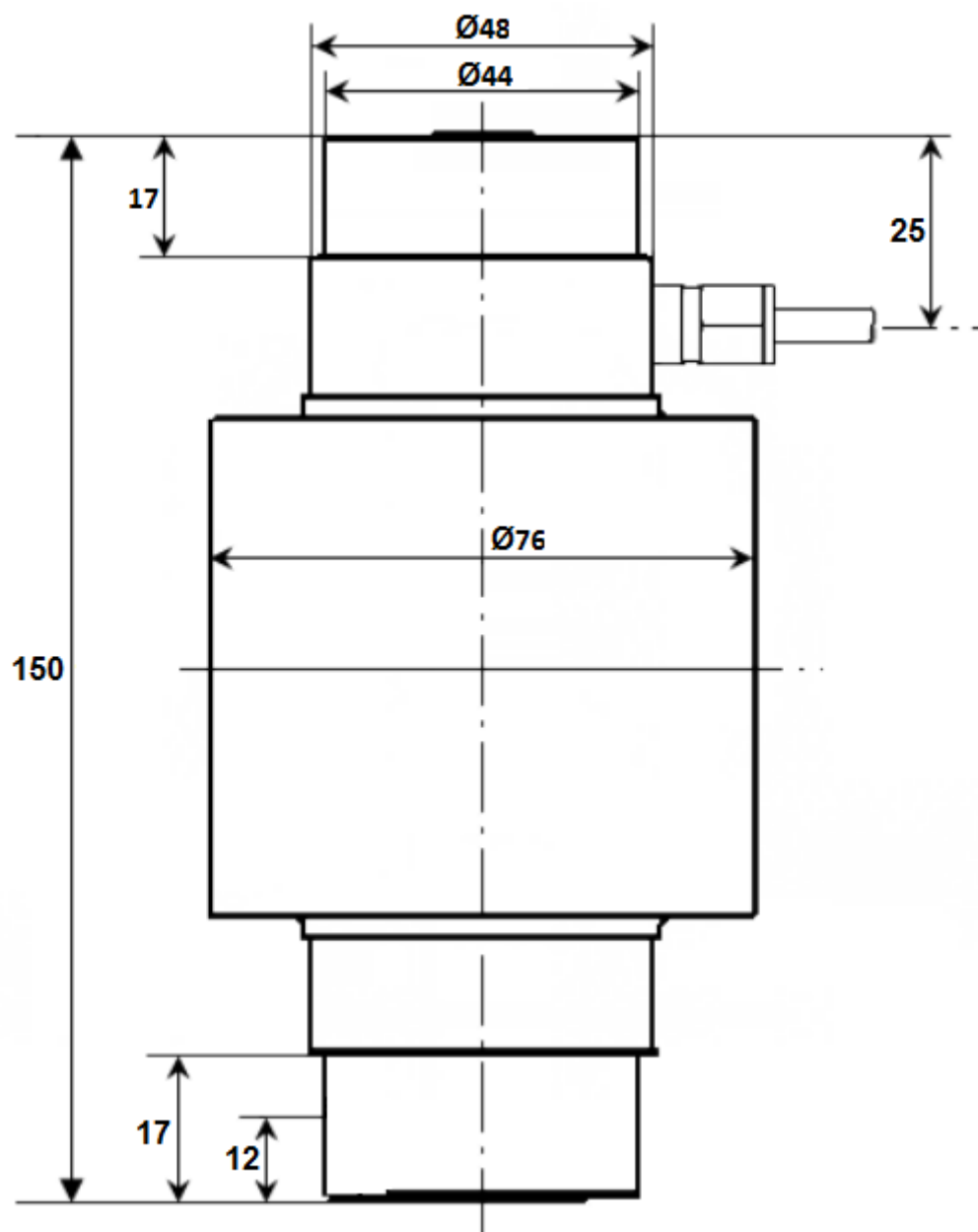
Truck scales

Railroad scales

Specifications

Detailed specifications		
Accuracy class	C3	
Output sensitivity (= FS)	mV/V	2.0 ± 0.002
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	of FS	$< \pm 5 \%$
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	22
Input resistance	Ω	1170 ± 40
Output resistance	Ω	1000 ± 10
Insulation resistance	M Ω	≥ 5000 (at 50VDC)
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.

