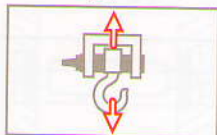


Type PLC

Pin Type Load Cell

10t

Steel



Features

IP68 industrial protection



PLC pin type load cells are specially designed for crane systems. They are mounted on the balance roller of the crane's lifting mechanism and they sense the load exerted on the roller.

With its steel alloy construction coated with corrosion-retardant paint as well as its strain gauge area which is welded with a stainless steel cover, PLC is protected to IP68 standards meaning that it is fully immersible. PLC load cells provide overload control for cranes and lifting machines, and measure the weight of the load being lifted.

Application Examples

Application examples for PLC type load cell can be found on page 83.

Technical Specifications

Maximum capacities (E_{max})	kg	10000
Combined error	%	≤ 2.0
Minimum load	% E_{max}	0
Maximum safe overload	% E_{max}	150
Ultimate load	% E_{max}	300
Maximum excitation voltage (U_{max})	V	10
Rated output (C_n)	mV/V	2mV/V
Zero balance	% C_n	≤ 2.0
Input resistance	Ω	380 ± 20
Output resistance	Ω	350 ± 2
Insulation resistance	M Ω	≥ 500
Compensated temperature range	$^{\circ}\text{C}$	-10...+40
Operating temperature range	$^{\circ}\text{C}$	-40...+80
Material		Steel
Sealing (EN 60529)		IP68
Cable length	m	5
Cable outer calibre	mm	5
Weight	kg	1.4
Package dimensions / weight	cm / kg	29x7x8 / 1.5

Dimensions

(All dimensions are expressed in millimeters)

Wiring diagram is on page 12.

