SARTORIUS - Type PR 6223 Load Cell

Product Description

The Sartorius PR 6223 is a single column, stainless steel compression load cell. This product is suitable for use in road and rail weighbridges and process weighing applications. The welded construction and built-in surge protection ensure that this product can be used successfully in harsh environments.

Application

☐ Weighbridges

Basic Features

☐ Capacities: 25 and 50 t
☐ Full stainless steel construction
☐ Wide temperature range
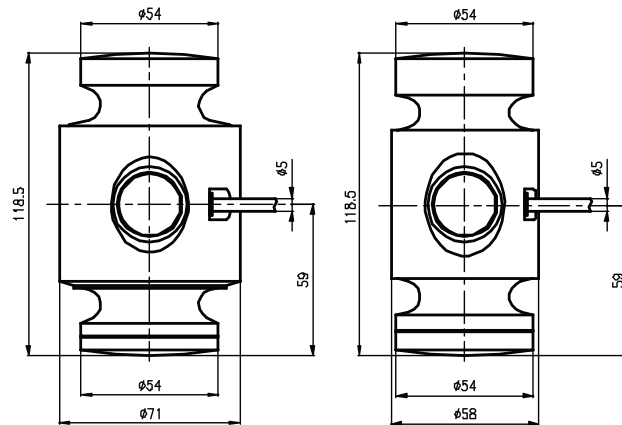☐ Degree of protection IP 68

Approvals

☐ OIML R60

PLEASE NOTE :
Unfortunately, this load cell is not available anymore. This has been replaced by the PR6221/25t or PR6221/50t.
Same high and quite same electrical characteristics. Can not be mixed when in W&M application.
When used with mounting kit, has to be replaced with PR6221/..t + PR6021/00.

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Technical Data		C3
Accuracy class	%Emax	0,015
Minimum dead load	%Emax	0
Rated capacity		25t, 50t
Max. usable load	%Emax	150
Destructive load	%Emax	>300
Minimum LC verification		14000
Deadload output return		3000
Rated output	mV/V	2
Tolerance on rated output	%Cn	<0,07
Zero output signal	%Cn	<1.0
Repeatability error	%Cn	<0,005
Creep, during 30min	%Cn	<0,0015
Non-linearity	%Cn	<0,01
Hysteresis	%Cn	<0,0165
Temperature effect on Smin	%Cn/10k	<0,01
Temperature effect on C	%Cn/10k	<0,01
Input impedance	Ω	1.080±10
Output impedance	Ω	1.010±1
Insulation impedance	Ω	5000x10^6
Recommended supply voltage	V	4,,,24
Max. supply voltage	V	32
Nominal ambient temp. Range	°C	−10…+55
Usable ambient temp. range	°C	−30…+70
Storage temperature range	°C	−40…+70
Permissible eccentricity	mm	10
Vibration resistance		20g,100h,10,,150hz
Air pressure effect	g/kPa	<100
Nominal deflection	mm	<0,8

Cable

Diameter	5mm	
Length	16m	
Cross section	4 x 0.35mm^2	
Bending radius	≥ 50 mm (fixed installation)	
	≥ 150 mm (repeated bending)	
Sheath	Colour	green
	Material	thermoplastic elastomer

Colour code

Red	Supply +
Blue	Supply-
Grey	Meas./LC out-
Green	Meas./LC out +