5910 LOW PROFILE COMPRESSION LOAD CELL

Load cell combining high capacity with low design.

Model 5910 - 3 t

Features

- Stainless steel
- Protection IP 67
- Low design
- Cost effective solution
- Sturdy design
- Easy to install
- Cable length: 3m
- Available options (non exhaustive list):
  - o ATEX intrinsic safety Ex II 1GD Ex ia IIC T6 or T4 Ga Ex ia IIIC T80 C Da
  - o high service temperature (150 C)

Applications

The SENSY's load cell 5910 is perfectly designed to the following applications :

- Industrial weighing were space is limited
- Manufacturing of portable wheel scales
- Industrial force applications where space is limited
- Silos, tanks, hoppers or reactors weighing

Capacities

5910 : (0.3) - (0.5) - (0.75) - (1) - (1.5) - 2 - 3 - 5 t

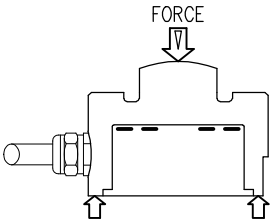
Specifications	0.25	0.1	
Accuracy class	0.25 % F.S.	0.1% F.S.	-
Combined error	< ± 0.25	< ± 0.1	% F.S.
Linearity error	< ± 0.25	< ± 0.1	% F.S.
Repeatability error	< ± 0.1	< ± 0.03	% F.S.
Creep error over 30 min.	< ± 0.1	< ± 0.06	% F.S.
Zero shift after loading	< ± 0.025	< ± 0.015	% F.S.
Reference temperature	23	23	C
Nominal temperature range	-10...+45	-10...+45	C
Service temperature range	-30...+70	-30...+70	C
Storage temperature range	-50...+85	-50...+85	C
Temperature coefficient of the sensitivity	< ± 0.05	< ± 0.05	% F.S./10 C
Temperature coefficient of zero signal	< ± 0.035	< ± 0.035	% F.S./10 C
Zero balance	± 0.02	± 0.02	mV/V
Sensitivity tolerance	< ± 0.3	< ± 0.3	%
Insulation resistance (50V)	> 5000	> 5000	Megaohm
Reference excitation voltage	10	10	VDC
Nominal range of excitation voltage	3..12	3..12	VDC
Nominal sensitivity	1.5	1.5	mV/V
Safe load limit	150	150	% F.S.
Breaking load	>300	>300	% F.S.
Static lateral force limit	10	10	% F.S.
Permissible dynamic loading	40	40	% F.S.
Input resistance	702 ± 2	702 ± 2	Ohm
Output resistance	702 ± 2	702 ± 2	Ohm

F.S.: full scale - Specifications subject to change without notice

www.sensy.com

LOAD CELL

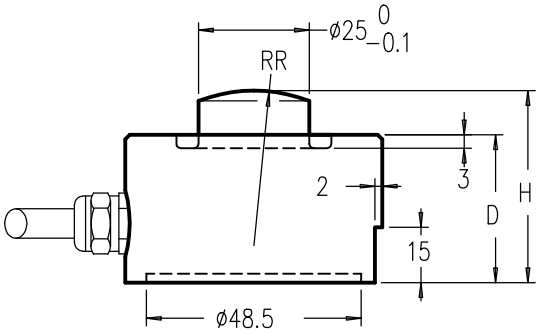
model 5910 stainless steel

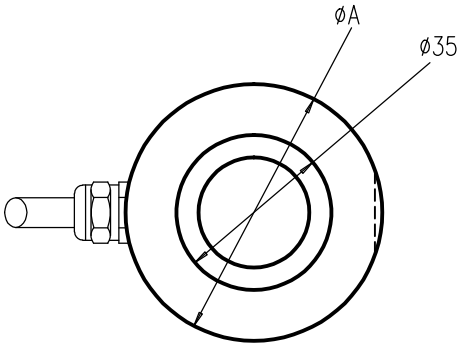


COMPRESSION

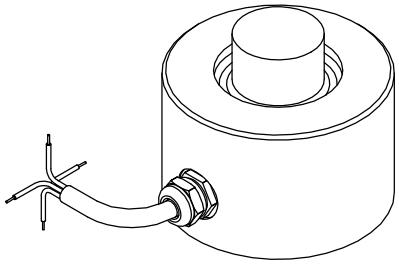
Range 0.3 – 5 t. IP 67

Cable length : see table (CL)





CAPACITIES	øA	D	H	RR	CL	Max.Deflexion	Weight(kg)
0.3 – 5 t	59	30	40	35	3 m	0.04–0.07 mm	±0.6



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