

5910

LOW PROFILE COMPRESSION LOAD CELL

Load cell combining high capacity with low design.

- Stainless steel
- Protection IP 67
- Low design
- Cost effective solution
- Sturdy design
- Easy to install
- Available options (non exhaustive list):
 - o ATEX Ex ia IIC T6 to T4 certified (hazardous area)
 - o High service temperature (180 °C)



Model 5910 - 3 t

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

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

CAPACITIES :

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

TECHNICAL DATA			
Accuracy class		0.25	0.1 1000 d
Linearity error	% F.S.	< ± 0.25	< ± 0.1
Hysteresis error	% F.S.	< ± 0.25	< ± 0.1
Non - repeatability	% F.S.	< ± 0.1	< ± 0.03
Creep error over 30 min.	% F.S.	< ± 0.1	< ± 0.06
Zero shift after loading	% F.S.	< ± 0.025	< ± 0.015
Reference temperature	°C	23	23
Nominal temperature range	°C	- 10...+ 45	- 10...+ 45
Service temperature range	°C	- 30...+ 70	- 30...+ 70
Storage temperature range	°C	- 50...+ 85	- 50...+ 85
Temperature coefficient of the sensitivity	%/10°C	< ± 0.05	< ± 0.05
Temperature coefficient of zero signal	% F.S./10°C	< ± 0.035	< ± 0.035
Nominal sensitivity	mV/V	1,5	1,5
Zero balance	mV/V	± 0.02	± 0.02
Sensitivity tolerance (g=9,8107 m/s ²)	%	< ± 0.3	< ± 0.3
Input / Output resistance	Ohm	702 ± 5	702 ± 5
Insulation resistance (50V)	MOhm	> 5000	> 5000
Nominal excitation voltage	V	5 to 10	5 to 10
Nominal range of the excitation voltage	V	2...15	2...15
Safe load limit	% F.S.	150	150
Breaking load	% F.S.	>300	> 300
Static lateral force limit	% F.S.	10	10
Permissible dynamic loading	% F.S.	50	50

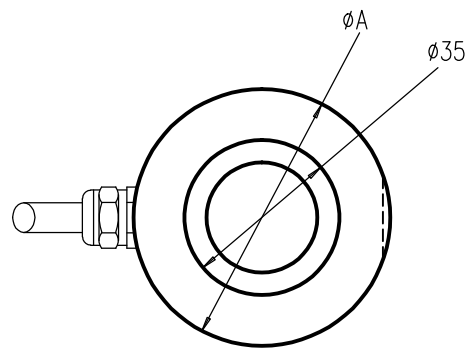
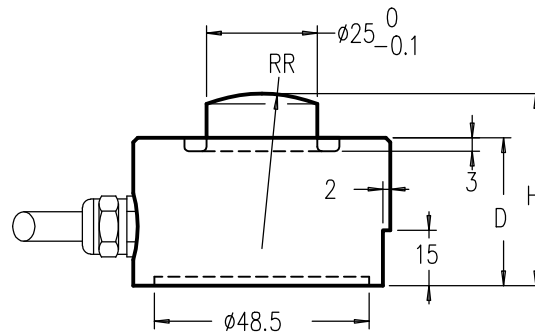
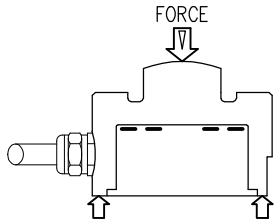
F.S.: full scale Specifications subject to change without notice

LOAD CELL

model 5910 stainless steel

COMPRESSION

Range 0.3 – 5 t. IP 67
Cable length : see table (CL)



CAPACITIES	ϕA	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

