

5960-5962

MINIATURE COMPRESSION LOAD CELLS

Miniatures compression load cells

Model 5960



Features

- Protection IP 65
- Very competitive prices
- Material :
 - o stainless steel (5960)
 - o aluminium (5962)

Applications

The SENSY's load cell 5960-5962 are perfectly designed to the following applications :

- Industrial force measurement where space is limited
- Weight control
- Anti-intrusion control

Capacities

5960 : (0.75) - 1 - (1.5) - 2 - (3) - 5 - (7,5) - (10) - (15) - (20) kN
 5962 : 200 - 300 - 500 N

Specifications	SL	
Linearity error	< ± 1	% F.S.
Repeatability error	< ± 0.25	% F.S.
Creep error over 30 min.	< ± 0.2	% F.S.
Zero shift after loading	< ± 0.05	% F.S.
Reference temperature	23	C
Nominal temperature range	-10...+45	C
Service temperature range	-30...+70	C
Storage temperature range	-50...+85	C
Temperature coefficient of the sensitivity	< ± 0.1	% F.S./10 C
Temperature coefficient of zero signal	< ± 0.1	% F.S./10 C
Zero balance	± 0.02	mVV
Insulation resistance (50V)	> 5000	Megaohm
Nominal sensitivity	1.5	mVV
Safe load limit	120	% F.S.
Breaking load	>300	% F.S.
Permissible dynamic loading	40	% F.S.
Nominal range of excitation voltage	1..10	VDC
Reference excitation voltage	5	VDC
Input resistance	1000 ± 2	Ohm
Output resistance	1000 ± 2	Ohm

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

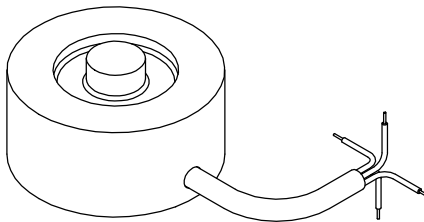
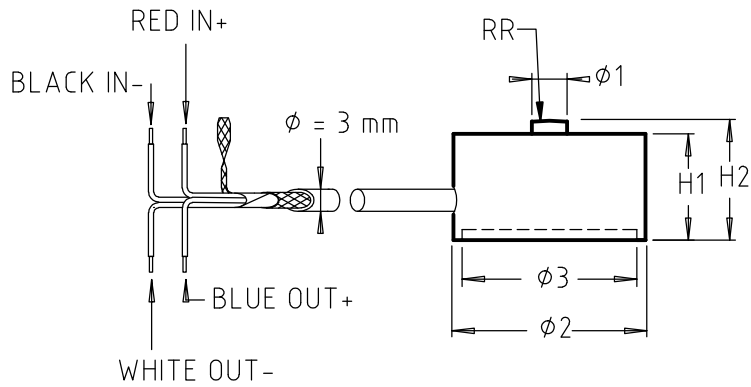
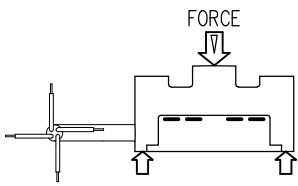
LOAD CELLS

model 5960 stainless steel
 model 5962 aluminium



COMPRESSION – MINIATURE

Range (200 N – 20 kN) IP65
 (5 – 2000 kg)
 Cable length : 1.5 m



MODEL	CAPACITIES	ø1	ø2	ø3	H1	H2	H3(Max)	P (N/mm ²)	Max.deflexion	H4	H5	ø4	Weight (g)
5962	200 – 500 N	4	22	19.75	12	13.5	2	2.7 to 6.8	0.08 to 0.12	17.5	8	24	± 42.4
5960	750 – 5000 N							10.16 to 68					± 52.4
5960	10 – 20 KN	8	29.5	23	14	16	3	37.3 to 74.6	0.14 to 0.20	24	12	32	± 91.3

