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5960-5962 MINIATURE COMPRESSION LOAD CELLS

Sealed and compact compression sensors.

Model 5960 - 5 kN

Features

- o Protection class: IP65
- o Very competitive prices
- o Material:
  - stainless steel (5960)
  - anodised aluminium alloy (5962)
- o Cable length: 1.5 m (other lengths available on request)

Most popular options

Amplified output | Digital output | USB | -50°C...+130°C | Ex i | IP67 MARINE | IP68

Application(s)

load cell 5960-5962 are perfectly designed for the following applications:

- Industrial force measurement in confined spaces,
- Weight control.

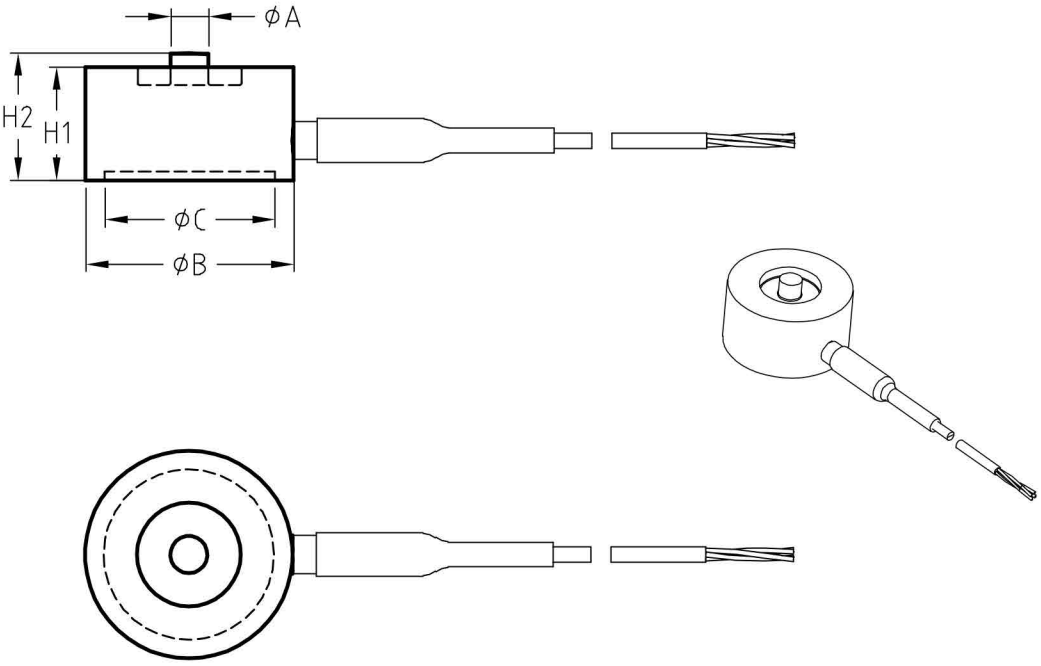
Capacities

5962: 200 - 300 - 500 N
5960: (0.75) - 1 - (1.5) - 2 - (3) - 5 - (7.5) - 10 - (15) - 20 kN

Specifications	1 %	
Combined error (non-linearity + hysteresis)	<± 1	% F.S.*
Repeatability error	<± 0.5	% F.S.*
Creep error over 30 min.	<± 0.25	% F.S.*
Zero shift after loading	<± 0.2	% F.S.*
Reference temperature	23	°C
Compensated temperature range	-10...+45	°C
Service temperature range	-25...+70	°C
Storage temperature range	-50...+85	°C
Temperature coefficient of the sensitivity	<± 0.2	% F.S.*/10°C
Temperature coefficient of zero signal	<± 0.2	% F.S.*/10°C
Zero balance	± 0.05	mV/V
Nominal sensitivity	1.5	mV/V
Input resistance	1000 ± 3	ohm(s)
Output resistance	1000 ± 3	ohm(s)
Insulation resistance (50 V)	> 5000	Mohm(s)
Reference excitation voltage	5	VDC
Permissible nominal range of excitation voltage	3..10	VDC
Safe load limit	120	% F.S.*
Breaking load	>300	% F.S.*
Permissible dynamic loading	40	% F.S.*

* F.S. : Full Scale.
Specifications subject to change without notice.

5960-5962 > STANDARD DIMENSIONS

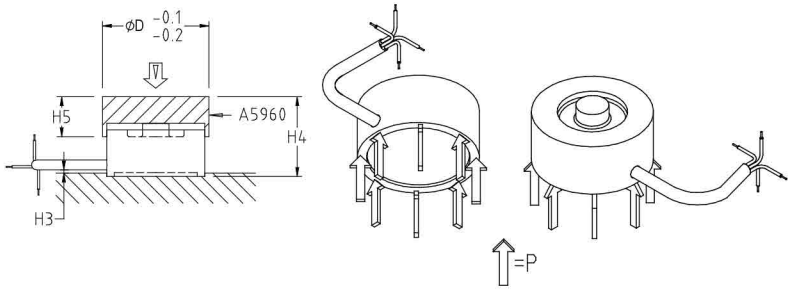


Ref. Item*	Capacities	ØA	ØB	ØC	H1	H2	P (N/mm²)	Max. Deflexion (mm)	H3 (Max)	H4	H5	ØD	Weight (kg)
5962-A	200 - 500 N	4	22	19.75	12	13.5	2.7 to 6.8	0.08 to 0.12	1.5	17.5	8	24	± 0.042
5960-B	750 - 5000 N	4	22	19.75	12	13.5	10.16 to 68	0.08 to 0.12	1.5	17.5	8	24	± 0.052
5960-C	10 - 20 kN	8	29.5	23	14	16	37.3 to 0.20	0.14 to 0.20	2	24	12	32	± 0.091

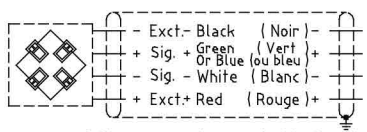
→ Other capacities and dimensions available on request

Dimensions in mm

Other views

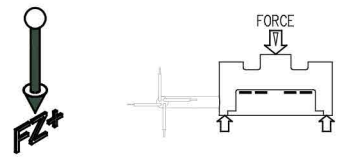


Wiring



Standard : Cable screen not connected to transducer
Faradisation non connectée au capteur

Load direction



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