

Capsule gauges (P1120) DIN 16013 and 16014 Type 63/100 KP50 - Type 63/100 KP65

Section: 1

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Application:

The TEMPRESS capsule gauge was developed as a supplement to TEMPRESS low pressure gauges. The Capsule gauge is for measuring air, other non-aggressive gasses, and vacuum within ranges 0-600 m.BAR.

Technical Specifications:

Case:	Stainless Steel DIN 1.4301 (AISI 304) with bayonet locking front.
Front:	Stainless Steel DIN 1.4301 (AISI 304).
Glass face:	Instrument glass.
Measuring system:	Capsule measuring element CuBe 2.
Connection:	Brass 1/2" BSP bottom connection 22 A/F dia. 63 mm 1/4" BSP, 14 A/F rear center.
Range:	DIN 16130. Min.: 25/0 m.BAR. Max.: 0/600 m.BAR.
Accuracy:	DIN 16130 Class 1.6 (+1.6% of full scale deflection F.S.D.) at ambient temperature +20 deg C. Ambient temperature changes result in an indication error of +/- 0.3%F.S.D. per 10 deg C.
Load:	DIN 16005. Static: 100% F.S.D. Dynamic: 88% F.S.D.
Temperature resistance:	DIN 16055 Soft solder max. 60 deg C.

Optional specifications:

Bezel (AISI 304) polished.
Clamp fixing.
Bezel black.
Bezel DIN 1.4301 (AISI 304).
Triangular bezel and fixing clamp.
Splashproof.
Measuring system over/underrange protected, 10 times range (>40 m.BAR)
Connecting thread in accordance with customer requirements.
Throttle screw.
Zero-adjustment.
Special Scales.
Logo.
Dual scale psi/m.BAR/Pa.
Nylon capillary for remote indication.
Adjustable pointer.
Externally adjustable memory pointer.
Built-in Contact Systems (Ø100/160 only).
Built-in Opto-Electronic Transmitter (Ø100/160 only).
Capsule Gauge Ø160 only on request.

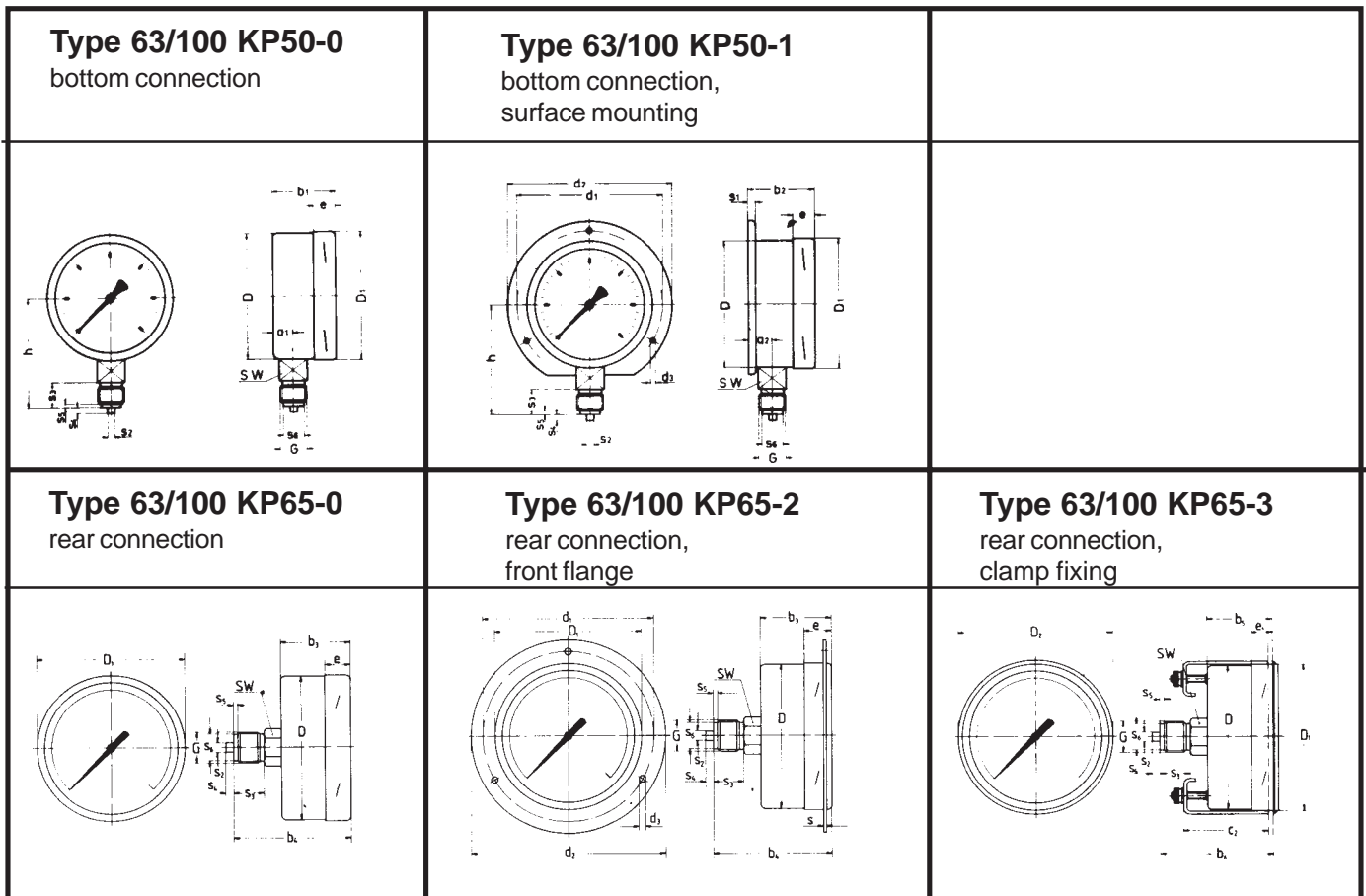


Agent:



TEMPRESS A/S

P.O. Box 2090
Nordlandsvej 64-66
DK-8240 Risskov, Denmark
Tel.: +45 8932 5200
Fax.: +45 8932 5213



Dim/mm	a1	a2	b1	b2	b3	b4	b5	C	C2	D	D1	D2	d1	d2	d3
Ø 63	10	15	39*	45	27	26	48	20	34,5	62	63	67	75	85	4
Ø100	15	21	48	54	47	45	75	20	57,5	99	100	106	116	132	5

Dim/mm	e	e1	G	h	S1	S2	S3	S4	S5	S6	SW1	SW2
Ø63	12	5	R1/4"	54	8	5	12	3	2	9,5	14	17
Ø100	20	5,5	R1/2"	87	8	6	25	5	2,5	17,5	22	27

* Bottom connection: 39 mm, rear connection: 27 mm

Ranges in accordance with DIN 16128

- | | | |
|---------------|------------------|--------------|
| - 25 - 0 mbar | - 20 - +40 mbar | 0 - 25 mbar |
| - 40 - 0 mbar | - 40 - +20 mbar | 0 - 40 mbar |
| - 60 - 0 mbar | - 40 - +60 mbar | 0 - 60 mbar |
| -100 - 0 mbar | - 60 - +40 mbar | 0 - 100 mbar |
| -160 - 0 mbar | - 60 - +100 mbar | 0 - 160 mbar |
| -250 - 0 mbar | -100 - +60 mbar | 0 - 250 mbar |
| -600 - 0 mbar | -100 - +150 mbar | 0 - 400 mbar |
| | -150 - +100 mbar | 0 - 600 mbar |
| | -150 - +250 mbar | |
| | -250 - +150 mbar | |
| | -200 - +400 mbar | |
| | -400 - +200 mbar | |