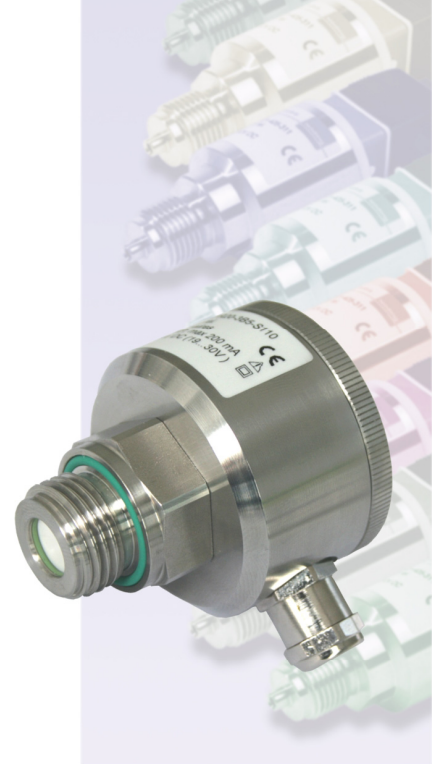


- Connection with dry and flush ceramic sensor
- Ranges from 500 mbar up to 40 bar
- Accuracy $\leq 0.5\%$
- Compact and rugged design
- Easy on-site configuration via DIP switches
- Analog output: 4...20 mA, 3-wire
- Contact output: DC PNP, max. 200 mA



Pressure switch PR 20

Technical data:

Range:	0...500 mbar up to 0...40 bar -1...5 bar up to -1...25 bar
Analog output:	4...20 mA, 3-wire
Switch output:	DC PNP, max. 200 mA
Accuracy:	$\leq \pm 0.5\%$ FS @ 25°C
Response time:	60 ms
Power supply:	19...30V DC
Ambient temperature:	-25...85 °C
Process temperature:	-25...100 °C
Temperatur coefficient:	$\leq \pm 0.03\%$ FS/K (zero) $\leq \pm 0.02\%$ FS/K (span)
Long term stability:	$\leq \pm 0.5\%$ FS p. a.
Process connection:	G 1/2", 1.4404 (316L)
Housing:	stainless steel 1.4301 (304)
Sensor:	ceramic AL ₂ O ₃
Protection class:	IP 67
Electrical connection:	cable gland M16x1,5 connector M12x1

Nöding

Meßtechnik

Ranges

Range	Code	Overload (bar)
0...500 mbar / 0...50 kPa (*)	B7	-0.2/2
0...600 mbar / 0...60 kPa	04	-0.2/2
0...1 bar / 0... 100 kPa	05	-0.4/4
0...1.6 bar / 0... 160 kPa	06	-0.4/4
0...2 bar / 0... 200 kPa	B3	-0.4/4
0...2.5 bar / 0... 250 kPa	07	-0.8/10
0...4 bar / 0... 400 kPa	08	-0.8/10
0...5 bar / 0... 500 kPa	F1	-0.8/10
0...6 bar / 0... 600 kPa	09	-1/20
0...10 bar / 0...1 MPa	10	-1/40
0...16 bar / 0...1.6 MPa	11	-1/40
0...20 bar / 0...2 MPa	B5	-1/40
0...25 bar / 0...2.5 MPa	12	-1/40
0...40 bar / 0...4.0 MPa (**)	13	-1/60
-1...5 bar / -100...500 kPa	D9	-1/20
-1...9 bar / -100...900 kPa	E1	-1/40
-1...15 bar / -100...1500 kPa	E2	-1/40
-1...19 bar / -100...1900 kPa	E3	-1/40
-1...25 bar / -100...2500 kPa	E7	-1/40

(*) Accuracy 1%
(**) in preparation

Absolutpressure on request

Ordering code

Output Signal

3 4...20 mA 3-wire

Range

Measuring range see table on the left
99 non-standard range

Process connection and material

G G 1/2" DIN 3852 1.4404
S G 1/2" DIN 3852 1.4404
9 others (on request)

Sensor Seal

1 FPM (Viton) Standard
2 NBR (Nitril)
3 EPDM Kautschuk
5 Chemraz 505
9 others (on request)

Housing

1 Stainless steel 1.4301

E-connection

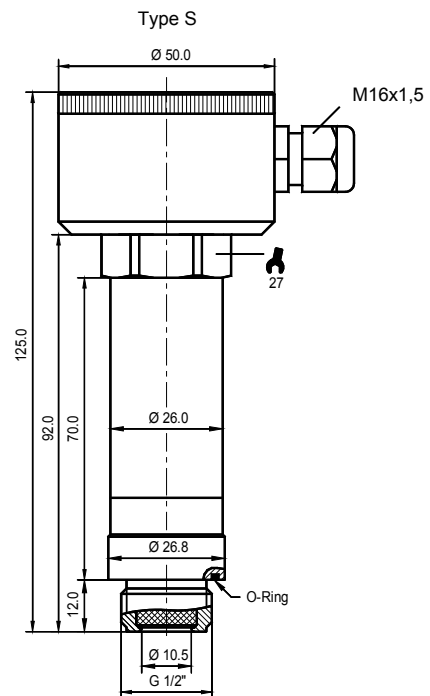
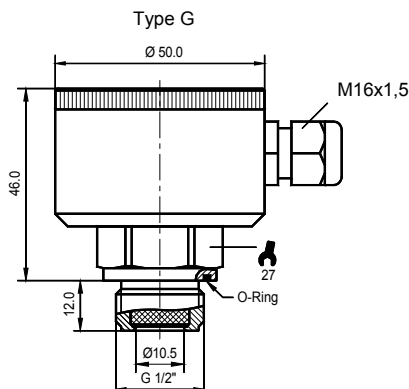
0 M16x1,5
A Connector M12x1, 4-PIN

Options

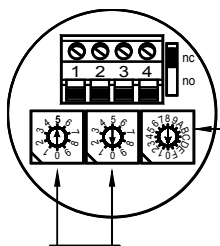
0 without

PR20 - [] - [] - [] - [] - []

Dimension (mm)



Settings



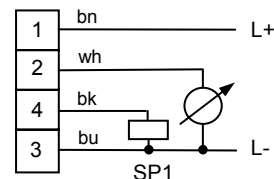
Setpoint modification in %
for example 50%

nc = normally closed
no = normally open

Hysteresis adjustment

max. Function	min. Function
0 = 0.5%	8 = 0.5%
1 = 1%	9 = 1%
2 = 2%	A = 2%
3 = 3%	B = 3%
4 = 4%	C = 4%
5 = 6%	D = 6%
6 = 8%	E = 8%
7 = 10%	F = 10%

Electrical connections



Modificatons reserved without notice 03.10