

Pressure Transmitter Series S10/S11



- Measuring ranges from -1..600 bar
- Output signals 0..20 mA, 4..20 mA, 0..10 V DC
- Process temperatures up to 150°C

Merkmale

This series of pressure transmitters has been carefully designed to cover the majority of industrial applications with instruments readily available from stock. Compact design and robust construction make these instruments suitable for all applications in machine construction, process control, laboratory or quality and materials testing equipment

Technical data

Power supply

Supply voltage : 10/(14)..30 V DC (U+)
 Process temperature : -30..+100 °C
 : -30..+125 °C optional
 : -20..+150 °C opt. with cooling element
 Ambient temperature : -20..+80 °C
 Storage temperature : -40..+100°C

CE-conformity

Pressure equipment directive : 2014/68 EU
 EMC-directive : 2014/30 EU; EN 61326-1:2013;
 Emissions : EN 61326-2:2013 (group 1, class B)

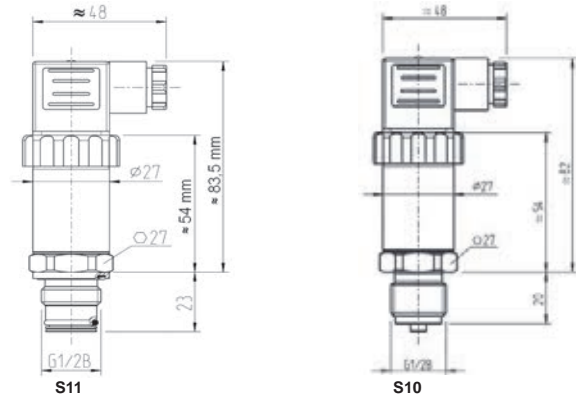
Output

Current : 0..20 mA 3-wire, 4..20 mA, 2-wire
 Max. Load R_A : 2-wire, $R_A \leq (U+ - 10V) \div 0,02A$
 : 3-wire, $R_A \leq (U+ - 3V) \div 0,02A$
 Voltage : 0..10 V DC 3-wire
 Max. Load R_A : 3-wire, > max. output signal / 1mA
 Accuracy : 0,5 % of span
 : $\geq 0,25$ bar optional 0,25 % available.

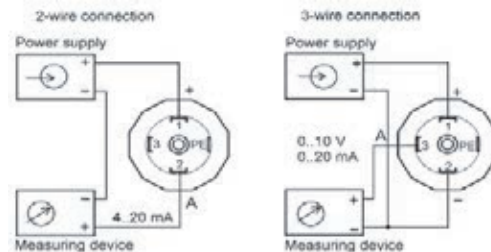
Material

Process connection : 316TI, CrNi-steel
 Housing : 316TI, CrNi-steel
 Transmission medium : synthetic oil
 Diaphragm : S11 = flush diaphragm
 : S10 = standard pressure port
 Electrical connection : 4-pole plug EN 175301-803/A
 Protection class : IP65

Dimensions



Connection diagram



Ordering code

1. 2. 3. 4. 5.
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1. Device type	S1 standard device
2. Model	0 standard pressure port G 1/2 B, -1..0/0..1000 bar 1 flush diaphragm, G1B, 0..0,1/ 1,6 bar 2 flush diaphragm, G 1/2 B, 0..2,5/ 600 bar
3. Output	0 0..10 V, 3-wire (14..30 V DC) 1 0..20 mA, 3-wire (10..30 V DC) 2 4..20 mA, 2-wire (10..30 V DC)
4. Options	00 without option 01 custom measuring range 02 accuracy 0,25 % (M.-ranges >0,25 bar) 03 absolute pressure measurement 05 process temperature -40..+125 °C
5. Measuring ranges [bar]	-1/ 0,1/ 0,16/ 0,25/ 0,4/ 0,6/ 1/ 1,6/ 2,5/ 4/ 6/ 10/ 16/ 25/ 40/ 60/ 100/ 160/ 250/ 400/ 600/ 1000