

**Product information**

**Pressure**

**Pressure Transmitter S20**



- Measuring ranges from -1..1600 bar
- Output signals 4..20 mA or 0..10 V DC
- Process temperatures up to 150°C

**Merkmale**

Pressure transmitter type S-20 is designed for general industrial applications and the ideal solution for customers with demanding measuring tasks. It is characterized by a very good accuracy, a robust design and an extremely high variance, thus it can be adapted to a wide variety of applications.

**Technical data**

**Power supply**

- Supply voltage : 8/(12)..36 V DC  
 Process temperature : -30..+100 °C  
 : -40..+125 °C option 05  
 : -40..+150 °C option 06  
 Ambient temperature : -30..+100 °C  
 : -40..+125 °C option 05 + 06

Storage temperature : -40..+70 °C

**CE-conformity**

- Pressure equipment directive : 2014/68 EU  
 EMC-directive : 2014/30 EU,  
 Emissions : 20/30 EU; EN 61326-1:2013;  
 EN 61326-2-3:2013 (group 1, class B)

**Output**

- Current : 4..20 mA, 2-wire  
 Max. Load  $R_A$  : 2-wire,  $R_A \leq (U+ -7,5V) \div 0,023 A$   
 Voltage : 0..10 V DC 3-wire  
 Max. Load  $R_A$  : 3-wire, >max. output signal / 1mA  
 Accuracy : 0,5 % of span,  
 optional 0,25 % available.

**Material**

- Process connection  
*Relative measuring* :  $\leq 10$  bar = 316L  
 > 10 bar = 316L +13-8 PH  
 > 1.000 bar = ASTM630 + 13-8 PH

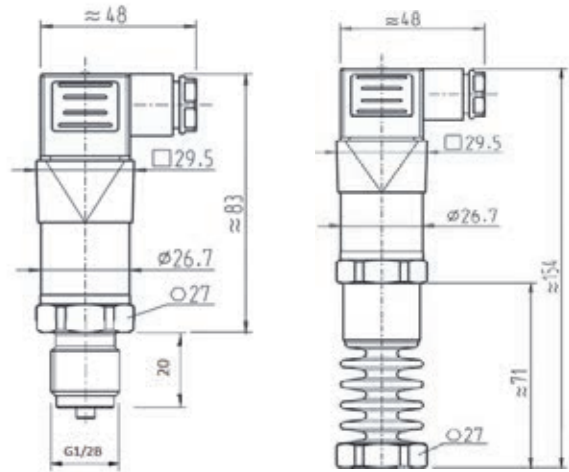
*Absolute measuring* : 316L

- Housing : 316TI  
 Transmission medium : Synthetic oil (for measuring ranges <10 bar relative and all absolute measuring ranges)

Process connection : G 1/2B, EN 837

- Sealing : copper  
 Electrical connection : 4-pole plug EN 175301-803/A  
 Protection class : IP65

**Dimensions**



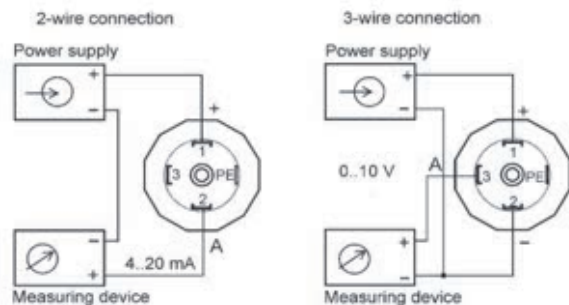
S20

S20 with cooling element (Option 06)

**Weight**

- S20 : ca. 0,150 Kg  
 S20 with cooling element : ca. 0,360 Kg

**Connection diagram**



**Ordering code**

1. 2. 3.  
**S20**  -  -

<b>1. Output</b>	
0	0..10 V, 3-wire (12..36 V DC)
2	4..20 mA, 2-wire (8..36 V DC)
<b>2. Options</b>	
00	without option
01	custom measuring range *
02	accuracy 0.25 % 0,25 %;
03	absolute measurement; M.-ranges $\leq 40$ bar
05	process temperature -40..+125 °C
06	with. cooling element -20..+150°C, max. 400 bar
<b>3. Measuring ranges [bar]</b>	
-1/ 0,4/ 0,6/ 1/ 1,6/ 2,5/ 4/ 6/ 10/ 16/ 25/ 40/ 60/ 100/ 160/ 250/ 400/ 600/ 1.000/ 1.600	

\*custom measuring range between 0..0,4 and 0..1.600 bar are available on request. Note that they is a less long terms stability and a higher temperature error on custom measuring ranges.