

Pressure Transmitter S2

for gauge or absolute pressure -1...200 bar

Features:

- stainless steel construction
- compact design
- ambient temperature -40°C to +125°C
- medium temperature -40°C bis +150°C
- with customized pressure range
- output signal: 0-20 mA / 4-20 mA / 0-10 V

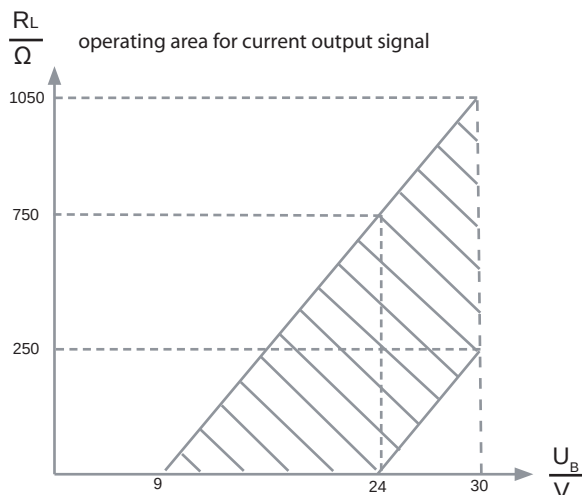


Technical Specifications:

Pressure Range	bar	-1 ... 200 bar * * pressure range according to ordering designations
Overload		1,5...5 x pressure range depending on version
Linearity	% FS (typ.)	< 0,5
Pressure Hysteresis and Repeatability	% FS	≤ 0,1
Long Term Stability	% FS p. a.	< 0,2
Medium Temperature	°C	-25...+85 (...+125 on request)
Operating Temperature	°C	-25...+85 (...+110 on request)
Storage Temperature	°C	-25...+90
Supply Voltage		9..30VDC with inverse polarity and short circuit protection 14..30VDC (voltage output signal) max. ripple at 50 Hz: 10%
Output Signal		4-20mA (2-wire-technology), 0-20mA, 0-10V
Electrical Connector		M12 plug, cable, more on request
Pressure Port		G3/4" , more on request
Protection Class		IP67 (M12 plug)
EMC		EN 61000-6-2, EN 61000-6-3
Material Port		steel 1.4435
Material Housing		steel 1.4571

Electrical Connection:

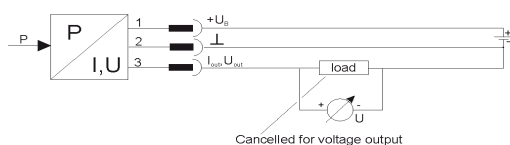
Dimensions:



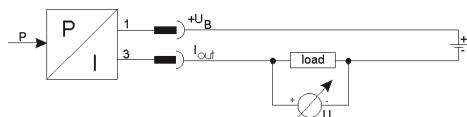
current output: load: $R_L = \frac{U_B - 9V}{0,02A}$

voltage output: $R_L \geq 10 \text{ kohm}$

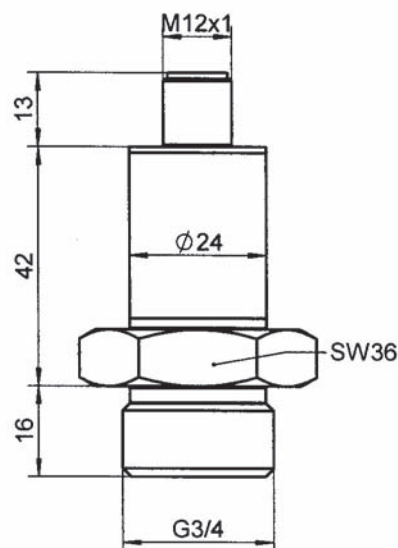
3-wire versions



2-wire version



Pin-definition	2-wire	3-wire
+UB	1	1
GND		2
Signal	3	3



Ordering Example:

type of pressure transmitter S2
 pressure range: 0 - 100 bar relative pressure
 pressure port: G3/4"
 output signal: 4-20 mA, 2-wire-version
 electrical connection: M12 x1

Accessories:

Connection Cable	Order-No.	
M12-cable, 5m, PU, 5-pole, straight	110 26 410	
M12-cable, 5m, PU, 5-pole, 90°	110 26 400	
M12-Connector Plug with screwing terminals		
M12-Connector Plug straight	990 00 083	
M12-Connector Plug 90°	990 00 010	

subject to change without notice