

# Pressure transmitter Model S-20

## Type S-20

### Item no.: 48661769

<b>MEASURING RANGE</b>	
Measuring range	-1...+0.6 bar gauge
Overpressure limit	3 times
Vacuum tightness	yes
<b>OUTPUT SIGNAL</b>	
Output signal	0 ... 10 V, 3-wire
Permissible load in $\Omega$	> maximum output voltage / 1 mA
<b>POWER SUPPLY</b>	
Power supply	DC 12...35 V
Total current consumption	max. 12 mA
<b>ACCURACY INFORMATION</b>	
Non-linearity	0.5% BFSL
Accuracy at calibration temperature	$\leq \pm 1.0\%$ of span
Long-term drift	$\leq \pm 0.1\%$ of span
without additional error at calibration temperature	yes
<b>TEMPERATURE ERROR</b>	
Temperature error -20 ... +80°C	1 %
Temperature error -30 ... +100°C	1.5 %
<b>OPERATING ENVIRONMENT CONDITIONS</b>	
Permissible medium temperature	-30...+100°C
Storage and transport temperature	-40 ... +70°C
shock and vibration resistance	100 g shock, 20 g vibration
Service life	100 million load cycle
<b>PROCESS CONNECTION</b>	
Process connection	G 1/4 B EN 837
Sealing	stainless steel
<b>ELECTRICAL CONNECTION</b>	
Electrical connection	angular connector DIN 175301-803 A
Tailoring electrical connection	mating connector included
Ingress protection	IP 65
pin assignment el. connection	U+=1, U-=2, S+=3 -30 ... +100 °C (-22 ... +212 °F)
item based datasheet headlines	ELECTRICAL SAFETY
Short-circuit resistance	S+ vs. U-
Reverse polarity protection	U+ vs. U-
Insulation voltage	DC 750 V
<b>CE-CONFORMITY, APPROVALS AND CERTIFICATES</b>	
CE conformity	PED 2014/65/EU
CE conformity2	EMC 2014/30/EU
CE-Konformität Teil3	RoHS 2011/65/EU

