

**DT98A561****PRESSURE SENSORS • CONNECTION G1/4" OUTSIDE**

Pressure sensors are suitable for measuring different media with high accuracy. They are available with switching output and/or analog output. Using PC software, the measured values can be recorded depending on the device type. These sensors can be used in all areas of e.g. pneumatic and hydraulic applications.

**MECHANICAL DATA**

Ambient temperature	-30 °C ... 80 °C
Bursting pressure	1250 bar
Cable length	5 m
Degree of protection (IP)	IP65
Explosion-proof	No
For gaseous media	Yes
For liquid media	Yes
Housing design	Cylinder plain
Housing material	Chromium-nickel steel
Max. operating pressure	500000 hPa
Max. operating pressure	500 bar
Medium temperature	-40 °C ... 100 °C
Pressure transmitter	Yes
Sensing element material	Chromium-nickel steel
Sensor diameter	42 mm
Sensor length	50.6 mm
Thread length	15 mm
Thread pitch	1.34 mm
Type of pressure connection	G1/4 inch A
With hand operation	No

**ELECTRICAL DATA**

Electronic version	Yes
End value measuring range, pressure	35000000 Pa
Initial value of measuring range, pressure	0 Pa
IO-Link compatible	No
Measurement method	Relative
Number of pins	2
Operating voltage	14 V ... 30 V
Rated operating voltage U <sub>e</sub> at DC	14 V ... 30 V
Relative linearity deviation	0.4 %

## ELECTRICAL DATA

Relative measurement accuracy	0.5 %
Response time	10 ms
Reverse polarity protection	Yes
Short-circuit-proof	Yes
Suitable as 2-point control	No
Suitable as limiter	No
Suitable as monitor	No
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Cable
Voltage type	DC
With manual on/off switch	No

## OTHER DATA

For hydraulic applications	Yes
For pneumatic applications	Yes
Measuring display	Relative

## DIMENSIONAL DRAWING

### INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

### DISPOSAL



## SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!