

**DT98A465**

**PRESSURE SENSORS • CONNECTION G1/8" OUTER THREAD**

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	-20 °C ... 80 °C
Bursting pressure	2.4 bar
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	2000 hPa
Max. operating pressure	2 bar
Medium temperature	-30 °C ... 100 °C
Nominal pressure	0.25 bar
Pressure transmitter	Yes
Sensing element material	Chromium-nickel steel
Sensor diameter	27 mm
Sensor length	82 mm
Thread length	20 mm
Thread pitch	1.81 mm
Type of pressure connection	G1/2 inch B
With hand operation	No

**ELECTRICAL DATA**

Electronic version	Yes
End value measuring range, pressure	25000 Pa
Initial value of measuring range, pressure	0 Pa
IO-Link compatible	No
Measurement method	Absolute
Measuring range pressure (MAX)	0.25 bar
Number of pins	3
Operating voltage	14 V ... 30 V
Rated operating voltage Ue at DC	14 V ... 30 V

**ELECTRICAL DATA**

Relative linearity deviation	0.25 %
Relative measurement accuracy	0.25 %
Response time	2 ms
Reverse polarity protection	Yes
Setting procedure	Manual adjustment
Short-circuit-proof	Yes
Suitable as 2-point control	No
Suitable as limiter	No
Suitable as monitor	No
Temperature drift	0.25 %
Type of analog output	0 V ... 10 V
Type of electrical connection	Valve connector type A
Voltage type	DC
With manual on/off switch	No

**OTHER DATA**

Compatible with foodstuff	Yes
For hydraulic applications	Yes
For pneumatic applications	Yes
Measuring display	Absolute

**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!