

DT98A616**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	42 bar
Degree of protection (IP)	IP65
Explosion-proof	No
For gaseous media	Yes
For liquid media	Yes
For pasty media	Yes
Front-flush membrane	Yes
Housing design	Cylinder plain
Housing material	Chromium-nickel steel
Max. operating pressure	35000 hPa
Max. operating pressure	35 bar
Medium temperature	-30 °C ... 100 °C
Pressure transmitter	Yes
Sensing element material	Chromium-nickel steel
Sensor diameter	27 mm
Sensor length	103.5 mm
Thread length	23 mm
Thread pitch	2.31 mm
Type of pressure connection	G1 inch A
With hand operation	No

ELECTRICAL DATA

Electronic version	Yes
End value measuring range, pressure	600000 Pa
Initial value of measuring range, pressure	0 Pa
IO-Link compatible	No
Measurement method	Relative
Number of pins	2
Operating voltage	10 V ... 30 V
Rated operating voltage U _e at DC	10 V ... 30 V

ELECTRICAL DATA

Relative linearity deviation	0.2 %
Relative measurement accuracy	0.25 %
Relative repeat accuracy	0.1 %
Response time	2 ms
Setting procedure	Manual adjustment
Short-circuit-proof	Yes
Suitable as 2-point control	No
Suitable as limiter	No
Suitable as monitor	No
Temperature drift	0.2 %
Type of analog output	4 mA ... 20 mA
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	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!