

DT98C983

PRESSURE SENSORS • CONNECTION 9/16" UNF

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	-25 °C ... 85 °C
Bursting pressure	10000 bar
Degree of protection (IP)	IP65
Explosion-proof	No
For liquid media	Yes
Housing design	Cylinder plain
Housing material	Stainless steel 1.4301
Max. operating pressure	7000000 hPa
Max. operating pressure	7000 bar
Medium temperature	-40 °C ... 85 °C
Nominal pressure	7000 bar
Pressure transmitter	Yes
Sensing element material	Stainless steel 1.4548
Sensor diameter	39.5 mm
Sensor length	145.5 mm
Thread length	17.5 mm
Type of pressure connection	9/16 inch UNF
With hand operation	No

ELECTRICAL DATA

Electronic version	Yes
End value measuring range, pressure	700000000 Pa
Initial value of measuring range, pressure	0 Pa
IO-Link compatible	No
Measurement method	Relative
Measuring range pressure (MAX)	7000 bar
Number of pins	2
Operating voltage	10 V ... 30 V
Rated operating voltage Ue at DC	10 V ... 30 V
Relative measurement accuracy	0.5 %
Response time	2.5 ms

ELECTRICAL DATA

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	0.2 %
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

Measuring display	Relative
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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!