DT98C686

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.

TECHNICAL DATA

Adjustable hysteresis	No
Adjustable unit	No
Ambient temperature	-40 °C ... 85 °C
CIP compatible	Yes
Compatible with foodstuff	Yes
Degree of protection (IP)	IP67
End value measuring range, pressure	40000000 Pa
End value measuring range, pressure	400 bar
For gaseous media	No
For liquid media	Yes
For pasty media	Yes
Front-flush membrane	Yes
Housing design	Cylinder plain
Housing material	Stainless steel 1.4404
Initial value of measuring range, pressure	0 Pa
Initial value of measuring range, pressure	0 bar
Max. operating pressure	400000 hPa
Max. operating pressure	400 bar
Measurement method	Relative
Medium temperature	-40 °C ... 125 °C
Nominal pressure	400 bar
Number of pins	2
Operating voltage	8 V ... 32 V
Peak value memory	No
Pressure transmitter	Yes
Programmable via software	No
Relative measurement accuracy	0.5 %
Reverse polarity protection	Yes
Sensing element material	Stainless steel 1.4435
Sensor diameter	26.5 mm

TECHNICAL DATA

Sensor length	90 mm
Short-circuit-proof	Yes
Switching output with window function	No
Temperature drift	0.75 %
Thread length	20.5 mm
Thread pitch	1.81 mm
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Plug-in connection M12
Type of pressure connection	G1/2 inch A
Voltage type	DC
With LED display	No
With display	No

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!

Never use these devices in applications where the safety of a person depends on their functionality.

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