

**DW98C502**

**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	-25 °C ... 85 °C
Bursting pressure	1250 bar
Degree of protection (IP)	IP67
Explosion-proof	No
For liquid media	Yes
For pasty media	Yes
Front-flush membrane	Yes
Housing design	Special construction
Housing material	Stainless steel 1.4404
Max. operating pressure	400000 hPa
Max. operating pressure	400 bar
Medium temperature	-25 °C ... 125 °C
Nominal pressure	400 bar
Sensing element material	Stainless steel 1.4435
Sensor height	90 mm
Sensor length	151 mm
Sensor width	76 mm
Thread length	20.5 mm
Thread pitch	1.81 mm
Type of pressure connection	G1/2 inch A
With hand operation	No

**ELECTRICAL DATA**

Adjustable hysteresis	Yes
Damping (analog output) MAX	30 s
Damping (displayed value) MAX	10 s
Electronic version	Yes
End setting (MAX)	600000 hPa
End value measuring range, pressure	4000000 Pa
Hysteresis	0.35 %
Initial setting (MIN)	0 hPa

**ELECTRICAL DATA**

Initial value of measuring range, pressure	0 Pa
IO-Link compatible	No
Max. output current	125 mA
Measurement method	Absolute
Measuring range pressure (MAX)	400 bar
Number of pins	3
Number of switching outputs	1
Operating voltage	13 V ... 36 V
Peak value memory	Yes
Rated operating voltage U <sub>e</sub> at DC	13 V ... 36 V
Relative measurement accuracy	0.5 %
Relative repeat accuracy	0.1 %
Response time	10 ms
Reverse polarity protection	Yes
Setting procedure	Parameterization
Short-circuit-proof	Yes
Suitable as 2-point control	Yes
Suitable as limiter	Yes
Suitable as monitor	Yes
Switching frequency	10 Hz
Switching output with window function	Yes
Temperature drift	0.75 %
Turn-off delay	100 s
Turn-on delay	100 s
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Plug-in connection M12
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With display	Yes
With LED display	Yes
With manual on/off switch	No

**OTHER DATA**

Compatible with foodstuff	Yes
For hydraulic applications	Yes
Measuring display	Relative

**DIMENSIONAL DRAWING****INSTALLATION****DISPOSAL**



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



## SAFETY WARNINGS

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