

DW98C915

PRESSURE SENSORS • CONNECTION G1/4" OUTSIDE

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 (MAX)	85 °C
Ambient temperature (MIN)	-25 °C
Degree of protection (IP)	IP65
Explosion-proof	No
For gaseous media	Yes
For liquid media	Yes
Housing design	Special construction
Housing material	PA 6.6 (synthetic)
Max. operating pressure	20000 hPa
Max. operating pressure	20 bar
Medium temperature (MAX)	-40 °C
Medium temperature (MIN)	125 °C
Nominal pressure	20 bar
Sensing element material	Stainless steel 1.4305
Thread length	12 mm
Thread pitch	1.34 mm
Type of pressure connection	G1/4 inch
With hand operation	No

ELECTRICAL DATA

Adjustable hysteresis	Yes
Electronic version	Yes
End value measuring range, pressure	2000000 Pa
Hysteresis	0.5 %
Initial value of measuring range, pressure	0 Pa
Max. output current	125 mA
Measurement method	Relative
Measuring range pressure (MAX)	20 bar
Measuring range pressure (MIN)	2 bar
No-load current	60 mA
Number of pins	5

ELECTRICAL DATA

Number of switching outputs	2
Operating voltage (MAX)	21.6 V
Operating voltage (MIN)	26.4 V
Peak value memory	Yes
Rated operating voltage U _e at DC (MAX)	21.6 V
Rated operating voltage U _e at DC (MIN)	26.4 V
Relative linearity deviation	0.1 %
Relative measurement accuracy	0.5 %
Relative repeat accuracy	0.1 %
Residual ripple	10 %
Reverse polarity protection	Yes
Setting procedure	Parameterization
Short-circuit-proof	Yes
Suitable as 2-point control	Yes
Suitable as limiter	No
Suitable as monitor	No
Switching output with window function	Yes
Temperature drift	0.1 %
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 type	DC
With display	Yes
With LED display	Yes
With manual on/off switch	No

OTHER DATA

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!

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