

DW990794

PRESSURE SENSORS • CONNECTION G1/8" INNER 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	-10 °C ... 50 °C
Cable length	2 m
Degree of protection (IP)	IP40
Explosion-proof	No
For gaseous media	Yes
Housing design	Cuboid
Housing material	Plastic ABS
Medium temperature	-10 °C ... 50 °C
Nominal pressure	9.8 bar
Sensing element material	Nickel-plated brass
Sensor height	45 mm
Sensor length	35 mm
Sensor width	30 mm
Thread pitch	0.91 mm
Type of pressure connection	G1/8 inch
Wire cross section	0.15 mm ²
With hand operation	No

ELECTRICAL DATA

Adjustable hysteresis	Yes
Adjustable unit	Yes
Electronic version	Yes
End setting (MAX)	10000 hPa
End value measuring range, pressure	980000 Pa
Hysteresis	1 %
Initial setting (MIN)	-500 hPa
Initial value of measuring range, pressure	0 Pa
IO-Link compatible	No
Max. output current	100 mA
Measurement method	Relative
Measuring range pressure (MAX)	9 bar

ELECTRICAL DATA

No-load current	50 mA
Number of pins	5
Number of switching outputs	1
Operating voltage	12 V ... 24 V
Rated operating voltage U _e at DC	12 V ... 24 V
Relative linearity deviation	1 %
Relative repeat accuracy	0.2 %
Residual ripple	10 %
Response time	2.5 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	200 Hz
Switching output with window function	Yes
Temperature drift	1 %
Type of analog output	1 ... 5V
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2.5 V
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!

