

**DW991094****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	0.98 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 <sup>2</sup>
With hand operation	No

**ELECTRICAL DATA**

Adjustable hysteresis	Yes
Adjustable unit	Yes
Electronic version	Yes
End setting (MAX)	1000 hPa
End value measuring range, pressure	98000 Pa
Hysteresis	1 %
Initial setting (MIN)	-50 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)	0.98 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 <sub>e</sub> 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!

