

DT98A465

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 (MAX) | 80 °C |
| Ambient temperature (MIN) | -20 °C |
| Bursting pressure | 2.4 bar |
| Degree of protection (IP) | IP65 |
| Explosion-proof | No |
| For gaseous media | Yes |
| For liquid media | Yes |
| Housing design | Cylinder plain |
| Housing material | Chromium-nickel steel |
| Max. operating pressure | 2000 hPa |
| Max. operating pressure | 2 bar |
| Medium temperature (MAX) | 100 °C |
| Medium temperature (MIN) | -30 °C |
| Nominal pressure | 0.25 bar |
| Pressure transmitter | Yes |
| Sensing element material | Chromium-nickel steel |
| Sensor diameter | 27 mm |
| Sensor length | 82 mm |
| Thread length | 20 mm |
| Thread pitch | 1.81 mm |
| Type of pressure connection | G1/2 inch B |
| With hand operation | No |

ELECTRICAL DATA

| | |
|--|----------|
| Electronic version | Yes |
| End value measuring range, pressure | 25000 Pa |
| Initial value of measuring range, pressure | 0 Pa |
| Measurement method | Absolute |
| Measuring range pressure (MAX) | 0.25 bar |
| Number of pins | 3 |
| Operating voltage (MAX) | 30 V |

ELECTRICAL DATA

| | |
|--|------------------------|
| Operating voltage (MIN) | 14 V |
| Rated operating voltage Ue at DC (MAX) | 30 V |
| Rated operating voltage Ue at DC (MIN) | 14 V |
| Relative linearity deviation | 0.25 % |
| Relative measurement accuracy | 0.25 % |
| Response time | 2 ms |
| Reverse polarity protection | Yes |
| Setting procedure | Manual adjustment |
| Short-circuit-proof | Yes |
| Suitable as 2-point control | No |
| Suitable as limiter | No |
| Suitable as monitor | No |
| Temperature drift | 0.25 % |
| Type of analog output | 0 V ... 10 V |
| Type of electrical connection | Valve connector type A |
| Voltage type | DC |
| With manual on/off switch | No |

OTHER DATA

| | |
|----------------------------|----------|
| Compatible with foodstuff | Yes |
| For hydraulic applications | Yes |
| For pneumatic applications | Yes |
| Measuring display | Absolute |

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.