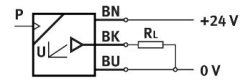


# Pressure transmitter SPTE-P10R-Q3-B-2.5K

Part number: 571481

**FESTO**



General operating condition

## Data sheet

| Feature                                      | Value                                                 |
|----------------------------------------------|-------------------------------------------------------|
| Symbol                                       | 00992257                                              |
| Certification                                | RCM compliance mark<br>c UL us - Recognized (OL)      |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU RoHS directive   |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions |
| Certificate issuing authority                | UL E322346                                            |
| Note on materials                            | RoHS-compliant                                        |
| Measured variable                            | Relative pressure                                     |
| Method of measurement                        | Piezoresistive pressure sensor                        |
| Pressure measuring range initial value       | 0 MPa                                                 |
| Pressure measuring range initial value       | 0 bar                                                 |
| Pressure measuring range initial value       | 0 psi                                                 |
| Pressure measuring range end value           | 1 MPa                                                 |
| Pressure measuring range end value           | 10 bar                                                |
| Pressure measuring range end value           | 145 psi                                               |
| Overload pressure                            | 1.5 MPa                                               |
| Overload pressure                            | 15 bar                                                |
| Overload pressure                            | 217.5 psi                                             |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]         |
| Information on operating and pilot media     | Operation with oil lubrication possible               |
| Temperature of medium                        | 0 °C ... 50 °C                                        |
| Ambient temperature                          | 0 °C ... 50 °C                                        |
| Accuracy in ± % FS                           | 3 %FS                                                 |
| Repetition accuracy in ± %FS                 | 0.3 %FS                                               |
| Temperature co-efficient in ± %FS/K          | 0.05 %FS/K                                            |
| Analog output                                | 1 - 5 V                                               |
| Rise time                                    | 1 ms                                                  |
| Min. load resistance of voltage output       | 15 kOhm                                               |
| Short-circuit protection                     | For all electrical connections                        |
| DC operating voltage range                   | 10 V ... 30 V                                         |
| Reverse polarity protection                  | for all electrical connections                        |
| Electrical connection                        | 3-wire<br>Cable<br>Open end                           |
| Cable length                                 | 2.5 m                                                 |

| Feature                          | Value                            |
|----------------------------------|----------------------------------|
| Type of mounting                 | With accessories                 |
| Mounting position                | Any                              |
| Pneumatic connection             | QS-3                             |
| Product weight                   | 35 g                             |
| Housing material                 | PA-reinforced                    |
| Sealing ring material            | FPM<br>NBR                       |
| Degree of protection             | IP40                             |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress    |
| LABS (PWIS) conformity           | VDMA24364-B2-L                   |
| Cleanroom class                  | Class 4 according to ISO 14644-1 |