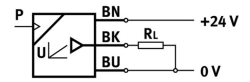


# Pressure transmitter SPTE-P10R-Q4-B-2.5K

Part number: 571482

**FESTO**



General operating condition

## Data sheet

| Feature                                    | Value                                                       |
|--------------------------------------------|-------------------------------------------------------------|
| Symbol                                     | 00992257                                                    |
| Approval                                   | RCM trademark<br>c UL us - Recognized (OL)                  |
| CE mark (see declaration of conformity)    | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| CE 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                                           |
| Measurement method                         | Piezoresistive pressure sensor                              |
| Start value for pressure measuring range   | 0 MPa                                                       |
| Start value for pressure measuring range   | 0 bar                                                       |
| Start value for pressure measuring range   | 0 psi                                                       |
| End value for pressure measuring range     | 1 MPa                                                       |
| End value for pressure measuring range     | 10 bar                                                      |
| End value for pressure measuring range     | 145 psi                                                     |
| Overload pressure                          | 1.5 MPa                                                     |
| Overload pressure                          | 15 bar                                                      |
| Overload pressure                          | 217.5 psi                                                   |
| Operating medium                           | Compressed air to ISO 8573-1:2010 [7:4:4]                   |
| Note on operating and pilot medium         | Lubricated operation possible                               |
| Media temperature                          | 0 °C ... 50 °C                                              |
| Ambient temperature                        | 0 °C ... 50 °C                                              |
| Accuracy in ± % FS                         | 3 %FS                                                       |
| Repetition accuracy in ± %FS               | 0.3 %FS                                                     |
| Temperature coefficient in ± %FS/K         | 0.05 %FS/K                                                  |
| Analogue output                            | 1 - 5 V                                                     |
| Rise time                                  | 1 ms                                                        |
| Min. load resistance voltage output        | 15 kOhm                                                     |
| Short circuit current rating               | For all electrical connections                              |
| Operational voltage range DC               | 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              | optional                         |
| Pneumatic connection           | QS-4                             |
| Product weight                 | 35 g                             |
| Material housing               | PA-reinforced                    |
| Material sealing ring          | 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 |