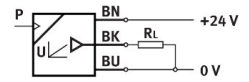


# Pressure transmitter SPTE-P10R-S6-V-2.5K

Part number: 571485

**FESTO**



## Data sheet

| Feature                                      | Value                                                 |
|----------------------------------------------|-------------------------------------------------------|
| 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<br>0 bar<br>0 psi                               |
| Pressure measuring range end value           | 1 MPa<br>10 bar<br>145 psi                            |
| Overload pressure                            | 1.5 MPa<br>15 bar<br>217.5 psi                        |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]         |
| Information on operating and pilot media     | Lubricated operation 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                                | 0 - 10 V                                              |
| Rise time                                    | 1 ms                                                  |
| Min. load resistance of voltage output       | 15 kOhm                                               |
| Short-circuit protection                     | For all electrical connections                        |
| DC operating voltage range                   | 18 V...30 V                                           |
| Reverse polarity protection                  | for all electrical connections                        |
| Electrical connection                        | 3-wire<br>Cable                                       |

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
|                                                           | Open end                                                           |
| Cable length                                              | 2.5 m                                                              |
| Type of mounting                                          | Insertable                                                         |
| Mounting position                                         | Any                                                                |
| Pneumatic connection                                      | Push-in sleeve QS-6                                                |
| Product weight                                            | 35 g                                                               |
| Housing material                                          | PA-reinforced                                                      |
| Sealing ring material                                     | FPM                                                                |
| Degree of protection                                      | IP40                                                               |
| Corrosion resistance class (CRC)                          | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                                    | VDMA24364-B2-L                                                     |
| Suitability for the production of Li-ion batteries        | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1                                   |