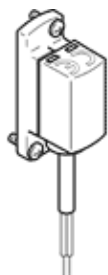


# Pressure transmitter SPTE-P10R-F-B-2.5K

Part number: 571483

FESTO



## Data sheet

| Feature                                      | Value   |
|--|---|
| Authorization                                | RCM Mark<br>c UL us - Recognized (OL)                                 |
| CE symbol (see declaration of conformity)    | according to EU-EMV guideline<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions                 |
| Certificate issuing department               | UL E322346  |
| Materials note                               | Conforms to RoHS  |
| Measured variable                            | Relative pressure   |
| Measurement method                           | Piezoresistive pressure sensor  |
| Pressure measuring range start value (MPa)   | 0 MPa   |
| Pressure measuring range, initial value      | 0 bar   |
| Pressure measuring range start value (psi)   | 0 psi   |
| Pressure measuring range end value (MPa)     | 1 MPa   |
| Pressure measuring range, final value        | 10 bar  |
| Pressure measuring range end value (psi)     | 145 psi   |
| Overload pressure                            | 1.5 MPa<br>15 bar   |
| Overload pressure (psi)                      | 217.5 psi   |
| Operating medium                             | Compressed air in accordance with ISO8573-1:2010 [7:4:4]              |
| Note on operating and pilot medium           | Lubricated operation possible   |
| Medium temperature                           | 0 ... 50 °C   |
| Ambient temperature                          | 0 ... 50 °C   |
| Accuracy, 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, voltage output         | 15 kOhm   |
| Short circuit strength                       | for all electrical connections  |
| Operating voltage range DC                   | 10 ... 30 V   |
| Polarity protected                           | for all electrical connections  |
| Electrical connection                        | 3-core<br>Cable<br>Open end   |
| Cable length                                 | 2.5 m   |
| Mounting type                                | With through-hole and screw   |
| Assembly position                            | Any   |
| Pneumatic connection                         | Flange  |
| Product weight                               | 35 g  |
| Material housing                             | PA-reinforced   |
| Material sealing ring                        | FPM   |
| Protection class                             | IP40  |
| Corrosion resistance classification CRC      | 2 - Moderate corrosion stress   |
| PWIS conformity                              | VDMA24364-B2-L  |
| Cleanroom class                              | ISO class 4   |