

# Pressure transmitter

## SPTE-V1R-PC10-B-2.5K

Part number: 8025975

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)     | -0.1 MPa                                                              |
| Pressure measuring range, final value        | -1 bar                                                                |
| Pressure measuring range end value (psi)     | -14.5 psi                                                             |
| Overload pressure                            | 0.5 MPa<br>5 bar                                                      |
| Overload pressure (psi)                      | 72.5 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                                | Pin-type connection                                                   |
| Assembly position                            | Any                                                                   |
| Pneumatic connection                         | Cartridge 10 mm                                                       |
| Product weight                               | 35 g                                                                  |
| Material housing                             | PA-reinforced                                                         |
| Material sealing ring                        | FPM<br>NBR                                                            |
| Protection class                             | IP40                                                                  |
| Corrosion resistance classification CRC      | 2 - Moderate corrosion stress                                         |
| PWIS conformity                              | VDMA24364-B2-L                                                        |
| RSBP classification to CD-0033               | F1a                                                                   |
| Cleanroom class                              | ISO class 4                                                           |