

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

Part number: 571483

FESTO



General operating condition

Data sheet

Feature	Value
Symbol	00992257
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	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	Cable Open end
Cable length	2.5 m
Type of mounting	With through-hole and screw

Feature	Value
Mounting position	Any
Pneumatic connection	Flange
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
Cleanroom suitability, measured according to ISO 14644-14	Class 4 according to ISO 14644-1