

Pressure transmitter SPTW-P100R-G14-VD-M12

Part number: 8000117

FESTO



[General operating condition](#)

Data sheet

Feature	Value
Symbol	00991967
Certification	RCM compliance mark c UL us - Listed (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
Note on materials	RoHS compliant
Measured variable	Relative pressure
Method of measurement	Metal thin-film 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	10 MPa
Pressure measuring range end value	100 bar
Pressure measuring range end value	1450 psi
Max. overload pressure	200 bar
Overload pressure	20 MPa
Overload pressure	200 bar
Overload pressure	2900 psi
Operating medium	Liquid media Gaseous media
Temperature of medium	0 °C ... 80 °C
Ambient temperature	0 °C ... 80 °C
Accuracy in ± % FS	1 %FS
Repetition accuracy in ± %FS	0.1 %FS
Analog output	0.1 - 10 V
Linearity error in ± % FS	0.5 %FS
Short-circuit protection	Yes
DC operating voltage range	14 V ... 30 V
Reverse polarity protection	For operating voltage
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00995386
Material of plug housing	PA

Feature	Value
Type of mounting	With internal thread With accessories
Mounting position	Any
Pneumatic connection	G1/4
Product weight	80 g
Housing material	VMQ (silicone) high-alloy stainless steel
Materials in contact with the media	high-alloy stainless steel
Degree of protection	IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III