

Pressure transmitter SPTW-B2R-G14-A-M12

Part number: 8000100

FESTO



[General operating condition](#)

Data sheet

Feature	Value
Symbol	00991968
Approval	RCM c UL us - Listed (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Note on materials	RoHS compliant
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor
Start value for pressure measuring range	-0.1 MPa
Start value for pressure measuring range	-1 bar
Start value for pressure measuring range	-14.5 psi
End value for pressure measuring range	0.1 MPa
End value for pressure measuring range	1 bar
End value for pressure measuring range	14.5 psi
Max. overload pressure	2 bar
Overload pressure	0.2 MPa
Overload pressure	2 bar
Overload pressure	29 psi
Operating medium	Liquid media Gaseous media
Media temperature	0 °C ... 80 °C
Ambient temperature	0 °C ... 80 °C
Accuracy in ± % FS	1 %FS
Repetition accuracy in ± %FS	0.1 %FS
Analogue output	4 - 20 mA
Linearity error in ± %FS	0.5 %FS
Short circuit current rating	Yes
Operational voltage range DC	8 V ... 30 V
Reverse polarity protection	For operating voltage
Electrical connection 1, connection type	Plug
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	4
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, connection pattern	00995386
Material connector housing	Process automation

Feature	Value
Type of mounting	With female thread With accessories
Mounting position	Any
Pneumatic connection	G1/4
Product weight	80 g
Material housing	VMQ (silicone) High-alloy stainless steel
Material in contact with the medium	High-alloy stainless steel
Degree of protection	IP67
Corrosion resistance class CRC	4 - Very high corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III