

pressure transmitter

SPTW-P100R-G14-VD-M12

Part number: 8000117

FESTO



Data sheet

Feature	Value
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Materials note	Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Thin metal film 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)	10 MPa
Pressure measuring range, final value	100 bar
Pressure measuring range end value (psi)	1,450 psi
Overload range	200 bar
Overload pressure	20 MPa 200 bar
Overload pressure (psi)	2,900 psi
Operating medium	Compressed air in accordance with ISO8573-1:2010 [-:-:-] Fluid media Gaseous media
Medium temperature	0 ... 80 °C
Ambient temperature	0 ... 80 °C
Accuracy, FS	1 %FS
Repetition accuracy in ± %FS	0.1 %FS
Analogue output	0,1 - 10 V
Linearity error in ± %FS	0.5 %FS
Short circuit strength	Yes
Operating voltage range DC	14 ... 30 V
Polarity protected	for operating voltage
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw lock
Material connector housing	PA
Mounting type	with internal (female) thread with accessories
Assembly position	Any
Pneumatic connection	G1/4
Product weight	80 g
Material housing	PA VMQ (silicon) High alloy steel, non-corrosive
Materials in contact with media	High alloy steel, non-corrosive
Protection class	IP67
Corrosion resistance classification CRC	4 - Very high corrosion stress
PWIS conformity	VDMA24364 zone III