

## P 100 TA - Pressure sensor

High-accuracy Fiber Bragg Grating (FBG) based pressure sensor. Sensor for remote, electricity free, monitoring of pressure. Both liquid and gas pressures can be sensed.

Can be used when absolute pressure needs to be measured in pipes, tanks or other objects. Measuring pressure from 0 to 100 Bar(A) very accurately.



- Double ended
- Extremely small drift (<0.5%/year)
- Self-compensated on temperature
- Very robust sensor with high long term stability
- Other pressure ranges possible on request
- Explosion safe (no electricity)

Parameter	Performance
Sensitivity	30pm/Bar
Measurement range	0-100Bar(A)
Accuracy	1Bar (<1% Full Scale)
Precision	0.5Bar (<0.5% Full Scale)
Burst pressure	120 Bar(A)
Operational temperature range	-20 to +60 °C
Weight	400g
Interface	G1/8 BSPP
Material	SS 316L
Protection	IP 67
FWHM	< 0.25 nm
Reflectivity	40 %
Insertion loss	< 0.1 dB
FBGs	2
Cable length <sup>1</sup>	1m
Connector options	FC/APC, LC/APC, open end

<sup>1</sup>. Other cable length on request.

## Mounting instructions

The sensor is equipped with a female G1/8 connection, which can be used to connect it.

