Pressure sensor SPAN

Highly versatile!

The attractively priced pressure sensor SPAN is amazingly flexible thanks to switchable electrical outputs and a very wide range of options for pressure measurement ranges and pneumatic connections. The compact design of just 30 x 30 mm, the range of variants and the user-friendly menu navigation make the sensor suitable for every kind of application.

Flexible and highly versatile
Thanks to the intuitive switching options for the electrical outputs:
• PNP/NPN
• Normally closed/normally open
• Current/voltage output

More productive with optimum pressure measurement
SPAN measures the pressure of gaseous media. The following functions are available:
• System monitoring (pressure is available)
• Pressure monitoring at the pressure regulator (pressure in setpoint range)
• Vacuum (part picked up)
• Leak testing (pressure drop over time)
• Object sensing (backpressure present)

Incredibly easy to commission
The SPAN user-friendly menu navigation makes commissioning incredibly easy and quick. The copy function means that additional SPAN sensor are even easier to commission.

Very clear to read
The high-contrast white-on-blue display is easy to see:
• Two-line alphanumeric display
• Large-scale status feedback – the entire display turns red

Highlights
• Just 30 x 30 mm
• Electrical compatibility with all controllers
• Wide range of variants in pressure range up to 16 bar
• Test report available
• IO-Link®
• Tamper protection
• Attractive price, high performance

Extremely compact!
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Technical data

Pressure measurement ranges [bar]

<table>
<thead>
<tr>
<th>Range</th>
<th>-1 ... 1</th>
<th>-1 ... 10</th>
<th>0 ... 0.25</th>
<th>0 ... 0.5</th>
<th>0 ... 1</th>
<th>0 ... 2</th>
<th>0 ... 6</th>
<th>0 ... 10</th>
<th>0 ... 12</th>
<th>0 ... 16</th>
<th>0 ... -0.25</th>
<th>0 ... -0.5</th>
<th>0 ... -1</th>
</tr>
</thead>
</table>

Pneumatic connections

- G 1/8 male thread
- G1/8 female thread
- R 1/8 male thread
- 1/8 NPT male thread
- M5 female thread
- QS4 push-in connector 4 mm

Electrical outputs

- Output 1: PNP/NPN/IO-Link®
- Output 2: PNP/NPN/0 ... 10 V/1 ... 5 V/4 ... 20 mA
- Output 1/2: PNP/NPN switchable

Electrical connection

- Plug L1 (M8 via electrical adapter)

Accessories

- Wall mounting, mounting bracket, front panel installation kit, protective cover, connecting cable

Benefits of the pressure sensor SPAN

Reliable and secure

- Individual numerical code lock as tamper protection; device setting is also displayed without entering the code
- Remote maintenance and parameterisation via IO-Link®

Versatile and easy

- Quick and easy setting of the pressure switching point via teach-in
- Min/max value memory for monitoring compressed air
- Protection class IP40

- Switching between pressure units (bar, kPA, MPa, psi, mmHg, inchHg, inchH2O, kgf/cm²)
- Weight-reduced variant QS4 with integrated tubing connection

Electrical adapter L1 on M8 (example for downward outlet direction)

Connection in 2 steps: insert L1 plug, insert tube