

## Low-cost Pressure Transmitter PSQ

- ◆ For low-cost applications
- ◆ Compact design
- ◆ For gauge pressure
- ◆ Ranges from 0 to 500 bar
- ◆ Up to 1.0% accuracy
- ◆ All stainless steel design
- ◆ Various process connections



PSQ is a low-cost gauge pressure transducer manufactured by COMECO. It is based on thin-film resistive sensor elements and an electronic block providing temperature compensation and generating a 2-wire current output signal. When operating at process temperatures between 10 °C and 40 °C, the transmitter achieves an accuracy better than 1%. All the wetted parts are made of stainless steel and the robust design guarantees good vibration and shock resistance as well as normal operation at medium temperatures up to 135 °C. All of the above make the PSQ pressure transmitter well suitable in all applications where robustness, compact sizes, and low budget are of higher importance.

### Technical specifications

Model	PSQ
<b>Specifications</b>	
<b>Ranges to EN [bar]</b>	0...2.5/ 4/ 6/ 10/ 16/ 25/ 40/ 60/ 100/ 250/ 400/ 600 or other on request (0...max. 500 bar)
<b>Accuracy</b>	10...40 °C: 1.0%; 0...80 °C: 2.0%; -40...135 °C: 4.0%
<b>Response time</b>	≤ 10 ms (0...99% of span)
<b>Pressure sensor type</b>	thin-film resistance bridge
<b>Overload</b>	overload range: 1.5x full span
<b>Wetted parts</b>	stainless steel 1Cr18Ni9Ti
<b>Housing</b>	stainless steel or brass <sup>(1)</sup>
<b>Process connection</b>	G1/4", M12x1.25, 3/8"-24 UNF, 7/16"-20 UNF
<b>Electrical connection</b>	I/S (Industrial Standard) Form C 4-pin detachable mini connector set
<b>Output</b>	2-wire 4...20 mA
<b>Power supply</b>	12...28 VDC
<b>Medium temperature</b>	-40...135 °C
<b>Electrical insulation</b>	≥ 10 MΩ at 250 VAC
<b>Vibration / Shock</b>	vibrations: 5...2000 Hz, 10 G, x/y/z; shocks: 20 G, 11 ms
<b>Weight</b>	50 g

<sup>(1)</sup> Ask for availability!

### Ordering code PSQ - G3.G9

Code	Feature or option	Code values
<b>G3</b>	Input range	<b>RANGE</b> (see table above)
<b>G9</b>	Process connection	<b>Q2</b> - M20x1.5 <sup>(2)</sup> , <b>Q4</b> - G1/2" <sup>(2)</sup> , <b>Q10</b> - 1/2" NPT <sup>(2)</sup> , <b>Q23</b> - G1/4", <b>Q24</b> - 1/4" NPT <sup>(2)</sup> , <b>Q32</b> - M12x1.25, <b>Q35</b> - 7/16"-20 UNF, <b>Q36</b> - 3/8"-24 UNF, <b>Z</b> - other (specify!) <sup>(2)</sup>

<sup>(2)</sup> Requires mounting adapter type YD, which is ordered separately (see 'Accessories').