

# Pressure

## Pressure Sensors with pressure-tight encapsulation

For use in explosion hazardous areas (acc. to Ex d II C T4 – T6 )



The new intrinsically safe PEX17 and PEX18 pressure sensors from tecsis come in pressure-sensing ranges from 0.4 to 1000 bar. The intrinsically safe sensor element is housed in an explosion-proof stainless steel casing, withstands the highest pressures and is thus eminently suitable for the highest-pressure applications. The pressure connection and measuring cell are welded together, making the measurement system particularly resistant to mechanical shock or vibration impacts. As all pressure sensors for potentially explosive areas are made of corrosion-resistant stainless steel, chemically aggressive media pose no difficulties. The pressure sensors comply with protection class IP 67 according to EN 60 529/IEC 529.

### Areas of use

- Gas pressure measurement
- Oil drilling platforms/pipelines
- Refineries/petrochemical industry
- Borehole monitoring

Technical data	
Model	PEX17, PEX18
Measuring range	0.4 ... 1000 bar
Type	PEX17- with internal diaphragm PEX18 - with front flush diaphragm
Accuracy	0.5 of F.S. (Option 0.25 BFSL)
Repeatability	$\leq \pm 0.1$ % of F.S.
Output signal	4...20 mA 2-wire 1...5VDC Low Power, 3-wire 0...10 VDC 3-wire 0.5..4.5 Low Power, 3-wire
Electrical connection	Conduit IP 67 with 6ft cable
Material	Stainless steel
Protection type	IP67

Special features	
<ul style="list-style-type: none"><li>• ATEX approved II 2G Ex d II C</li><li>• For dynamic and static measurements</li><li>• High long-term stability</li><li>• High overload protection</li><li>• Finely graded selection of nominal pressure ranges according to EN</li><li>• Corrosion resistant stainless steel design</li><li>• Good repeatability</li></ul>	

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