

Pressure

Reliable differential pressure measuring devices

For liquid and gas differential pressure measurements



The differential pressure measuring devices in the tecsis model series P3312, P3313 and P3314 are sensors with outstanding resistance to high system pressures and pressure spikes. They have excellent long-term stability, are corrosion resistant and achieve a high level of mechanical reliability due to their structural characteristics. The parts that come into contact with the media are made of special stainless steel making them suitable for use in harsh environments.

The measuring range extends from 40 mbar to 600 bar. The high line pressure can be connected to either side of the pressure sensor because it operates bidirectionally.

Areas of use

- Test stands
- Flow measurement
- Pressure drop across filters
- Pump monitoring
- Hydraulic cylinder monitoring

| Technical data | |
|---------------------|---|
| Model | P3312, P3313, P3314 |
| Measurement range | P3312 - 0 ... 140 bar up to 0 ... 600 bar P3313 - 0 ... 4.0 bar up to 0 ... 50 bar P3314 - 0 ... 0.04 bar up to 0 ... 2 bar |
| Max. overload [bar] | P3312 - up to max. 700 bar P3313/P3314 - 100 bar |
| Process Connection | P3312 - 2x1/4 NPT female P3313/14 - 2x1/8 NPT female |
| Electr. connection | Bayonet 6-pin (others on request) |
| Output signal | 4..20 mA (2-/3-wire) 0..10 VDC (3-wire) mV/V (4-wire) |
| Protection type | IP68 |
| Material | Stainless steel 1.4542 |

| Special features |
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| • Measurement of liquids, aggressive gasses and air |
| • Line pressure up to 700 bar |
| • Pressure spike resistance |
| • Can be used with high media temperatures |
| • Accuracy 0.25% |
| • Long-term stability |
| • Corrosion resistant stainless steel housing and wetted parts |
| • Pressure can be applied at either side |
| • Calibrated to the customer's requirements |

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