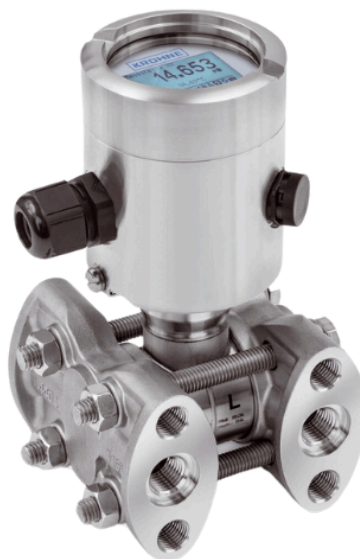


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OPTIBAR DP 3050

Compact differential pressure transmitter for measuring flow, level and differential pressure



The OPTIBAR DP 3050 differential pressure transmitter for general purpose differential pressure, flow and level applications with analog 2-wire output and digital HART® 7 communication features a compact, fully welded stainless steel housing, easy setup options, superb accuracy and fast response times with outstanding long-term stability as well as optional OPTIBAR DSD series diaphragm seals.

The protection category IP66/67 (NEMA 4X) and IP66/68 (NEMA 6P) depends on the selection of the electrical cable gland. For applications in

hazardous areas an optional ATEX/IECEX approval can be selected. Internally located push buttons make it possible to easily set the offset correction, zero point and measuring range for quick start-up. Alternatively, an optional LCD display enables simple and intuitive setup of all configuration parameters via 4 push buttons.

An additional pressure and temperature sensor inside the measuring cell is used for the indication of the absolute pressure and temperature on the display, transmission via the secondary HART® value as well as for the following compensation.

Highlights & Features:

- Differential pressure measuring ranges from 100 mbar / 1.45 psi up to 16 bar / 232 psi
- Process temperature -40...105°C / -40...302°F
- Outstanding temperature stability even under harsh conditions
- Excellent repeatability and long-term stability
- Combined DP, SP and T measurements for maximum process reliability
- Suitable for diaphragm seal assembly with OPTIBAR DSD series
- Compact and robust stainless-steel housing (316L / 1.4404)
- 2-wire 4...20 mA output with fully implemented HART 7.5 communication
- Optional display and adjustment module with intuitive user concept
- Internal push buttons for quick parameter set up

Typical Applications:

- Differential pressure measurement of gases, vapours and liquids
- Pressure monitoring of filters and pumps with overload protection of up to 160 bar / 2321 psi
- Level measurement of liquids in open and pressurised vessels
- Flow measurement of gases, vapours and liquids





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