

FICTIONAL DEMO DOCUMENT - SPECIMEN ONLY. NOT A REAL PRODUCT, APPROVAL OR CERTIFICATE.

PR-310

# Differential Pressure Transmitter

Capacitive DP cell for flow, filter and level-by-pressure duties.

KEY FEATURES

- ±0.075 % of span with 10-year stability
- Remote-seal ready for hot or viscous media
- Dual-compartment housing, Ex d (demo)

The PR-310 measures the difference between two pressures, which makes it the standard choice for flow across an orifice, filter condition and hydrostatic level.

TECHNICAL SPECIFICATION

| MEASUREMENT           |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Principle             | Capacitive differential pressure                                                                 |
| Measuring range       | 0 to 16 bar                                                                                      |
| Accuracy              | ±0.075 % of span                                                                                 |
| OUTPUT                |                                                                                                  |
| Signals               | 4–20 mA, HART, Foundation Fieldbus                                                               |
| PROCESS               |                                                                                                  |
| Connection            | Flange                                                                                           |
| Process temperature   | -40 to 120 °C                                                                                    |
| ENVIRONMENT           |                                                                                                  |
| Ingress protection    | IP66                                                                                             |
| APPROVALS             |                                                                                                  |
| Approvals (demo)      | Hazardous-area protection (Ex d), Functional safety SIL 2 capable, Pressure-equipment conformity |
| MEASUREMENT           |                                                                                                  |
| Static pressure limit | 160 bar                                                                                          |
| Long-term stability   | ±0.1 % of URL over 10 years                                                                      |
| PROCESS               |                                                                                                  |
| Wetted materials      | 316L, Hastelloy C, tantalum                                                                      |
| ELECTRICAL            |                                                                                                  |
| Supply voltage        | 10.5–42 V DC                                                                                     |
| ENVIRONMENT           |                                                                                                  |
| Ambient temperature   | -40 to 85 °C                                                                                     |

Specifications are illustrative demo values created for the INSTRAVA template. Replace with your own product data.