



ESI - PR3200 - DIFFERENTIAL PRESSURE SENSOR

PR3200-0200AR
4-20mA, 0..200 bar, G1/4, DIN

- Silicon-on-sapphire sensor technology
- Wide range of pressure ranges from ultra-low to 200barDP
- wet/wet OR dry/dry OPERATION
- Durable designs for industrial and commercial installations



Product description

The PR3200 differential pressure transmitter has two titanium alloy Silicon-on-Sapphire sensors, this offers a high performance with the true wet/wet operation. This is suitable for all liquids and gases compatible with stainless steel and titanium. Applications for this range include flow measurement for orifice plates and mass flow meters, plus static differential pressure measurement and control in combustion chambers. They can also be used for condition monitoring and filter monitoring in high pressure hydraulic systems or for any other application on liquid or gas requiring dependable differential pressure measurement.

There are optional ATEX and IECEx approved versions of the PR3200 available for explosion protection for flammable gases (zone0), dusts (zone 20) and mining areas (group I M1).

Specifications

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|-------------------------|--|
| Ambient temperature | -20..85°C |
| Approvals | CE, IEC |
| Electrical connection | DIN A 43650 |
| EMC | EN61000-6-4, EN61000-6-2 |
| Linearity | ≤±0.3% BSFL |
| Materials Wetted Parts | Titanium alloy, Stainless steel AISI 304 |
| Media temperature | -20..85°C |
| Output | 4-20 mA |
| Overpressure protection | 300 bar |
| Pressure Range Max | 200 |

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|---------------------|---------------------|
| Pressure Range Min | 0 |
| Pressure reference | Differential |
| Process connection | G1/4 |
| Sensor technology | Silicon-on-Sapphire |
| Storage temperature | 5..40°C |
| Supply voltage | 10-36 V DC |

