



ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3860EX0060BA
4-20mA, 0..60 bar, G1/2 flush, DIN, Ex

- Thick film sensor technology for long service life
- Pressure ranges up to 400 bar
- Up to 250°C media temperature option
- Easy clean flush membrane to prevent clogging



Product description

The PR3860 high temperature pressure transmitter has been designed to meet the requirements of the majority of industrial pressure measurement applications where a hygienic flush diaphragm connection is required. Suitable for use at media temperature up to 250°C. Typical applications include food processing, pharmaceutical and petrochemical. The flush membrane can be easily cleaned for long term reliability and outstanding performance. The PR3860 offers a stable and accurate output signal of 4-20 mA with options for 0-5 Vdc, 0-10 Vdc, 0-20 mA and other output signals. Electrical connection is via a detachable DIN connector allowing easy access to zero and span adjustment. Pressure ranges available from 0-10 bar to 0-400 bar.

Optional weldable boss is available to ensure flush-face installation of transmitter to tanks and pipe-work.

An optional ATEX and IECEx approved version of this product is available for explosion protection for flammable gases (zone 0), dusts (zone 20) and mining areas (group I M1).

Specifications

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| Ambient temperature | -20..85°C |
| Approvals | CE, IEC |
| Atex Approvals | Ex II 1 D Ex ia IIC T135 °C Da, Ex II 1 G Ex ia IIC T4 Ga, Ex I M 1 Ex ia I Ma |
| Atex approved | Yes |
| Electrical connection | DIN A 43650 |
| EMC | EN61000-6-2, EN61000-6-4 |
| Linearity | ≤±0.3% BSFL |
| Materials Wetted Parts | Stainless steel 316L |
| Media temperature | 0..205°C |
| Output | 4-20 mA |

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|--------------------------------|-----------------------|
| Overpressure protection | 90 bar |
| Pressure Range Max | 60 |
| Pressure Range Min | 0 |
| Pressure reference | Gauge |
| Process connection | G1/2" flush diaphragm |
| Sensor technology | Ceramic thick film |
| Storage temperature | 5..40°C |
| Supply voltage | 13-36 V DC |

