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# ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3862A0010BA
0-10V, 0..10 bar, G1/2 flush, 1M cable




- 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).

# TECHNICAL DATA

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| **Ambient temperature** | -20..85°C |
| **Approvals** | CE, IEC |
| **Electrical connection** | 1M Cable outlet screened |
| **EMC** | EN61000-6-2, EN61000-6-4 |
| **Linearity** | ≤±0.3% BSFL |
| **Material of wetted parts** | Stainless steel 316L |
| **Media temperature** | 0..205°C |
| **Output** | 0-10V |
| **Overpressure protection** | 15 bar |
| **Pressure range max** | 10 bar |

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|---|---|
| **Pressure range min** | 0 bar |
| **Pressure reference** | Gauge |
| **Process connection** | G1/2" flush diaphragm |
| **Sensor technology** | Ceramic thick film |
| **Storage temperature** | 5..40°C |
| **Supply voltage** | 13-30 V DC |

