



## ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3862-0010BA  
0-10V, 0..10 bar, G1/2 flush, DIN

- 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

|                          |                          |
|--------------------------|--------------------------|
| Ambient temperature      | -20..85°C                |
| Approvals                | CE, IEC                  |
| Electrical connection    | DIN A 43650              |
| 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                   |

|                     |                       |
|---------------------|-----------------------|
| 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            |

