



# ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3862-0060BA  
0-10V, 0..60 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).

### Specifications

|                         |                          |
|-------------------------|--------------------------|
| Ambient temperature     | -20..85°C                |
| Approvals               | CE, IEC                  |
| 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                  | 0-10V                    |
| Overpressure protection | 90 bar                   |
| Pressure Range Max      | 60                       |

|                            |                       |
|----------------------------|-----------------------|
| <b>Pressure Range Min</b>  | 0                     |
| <b>Pressure reference</b>  | Gauge                 |
| <b>Process connection</b>  | G1/2" flush diaphragm |
| <b>Sensor technology</b>   | Ceramic thick film    |
| <b>Storage temperature</b> | 5..40°C               |
| <b>Supply voltage</b>      | 13-30 V DC            |

