



## ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3861C0250BA  
0-5V, 0..250 bar, G1/2 flush, 1M cable IP67

- 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

<b>Ambient temperature</b>	-20..85°C
<b>Approvals</b>	CE, IEC
<b>Electrical connection</b>	1M Cable outlet screened (IP67)
<b>EMC</b>	EN61000-6-2, EN61000-6-4
<b>Linearity</b>	≤±0.3% BSFL
<b>Materials Wetted Parts</b>	Stainless steel 316L
<b>Media temperature</b>	0..205°C
<b>Output</b>	0-5V
<b>Overpressure protection</b>	375 bar
<b>Pressure Range Max</b>	250

<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

