



## ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3861A0100BA  
0-5V, 0..100 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

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	0-5V
Overpressure protection	150 bar
Pressure range max	100 bar

<b>Pressure range min</b>	0 bar
<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

