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ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3860EX0100BA
4-20mA, 0..100 bar, G1/2 flush, DIN, Ex



- 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
ATEX approved	Yes
Electrical connection	DIN A 43650
EMC	EN61000-6-2, EN61000-6-4
EX approvals	Ex II 1 D Ex ia IIIC T135 °C Da, Ex II 1 G Ex ia IIC T4 Ga, Ex I M 1 Ex ia I Ma
Linearity	≤±0.3% BSFL
Material of wetted parts	Stainless steel 316L
Media temperature	0..205°C
Output	4-20 mA

Overpressure protection	150 bar
Pressure range max	100 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	13-36 V DC

