OEM Automatic Ltd

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ESI - PR3800 - FLUSH DIAPHRAGM PRESSURE SENSOR

PR3822CV001BR 0-10V, -1..0 bar, DIN11851 32mm female, 1M cable IP67

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- 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

Robustly constructed from stainless steel, the PR3800 series incorporates the latest strain gauge technology together with a custom IC amplifier offering excellent stability and accuracy over a long service life. The range offers a stable and accurate output signal of 4-20 mA with options for 0-5 V and 0-10 V. Typical applications include food processing, pharmaceutical, petrochemical, waste water and slurry handling. In these installations the process media may corrode the sensing diaphragm or clog the narrow pressure inlet on a standard transmitter. The flush membrane can be easily cleaned for long term reliability and outstanding performance. For hygienic applications the PR3800 series provides a sanitary grade pressure fitting. Seals are available in a variety of forms and materials for a wide range of applications and can be directly attached to the proposed connection or remotely via stainless steel capillary. Pressure ranges available from 0-200 mbar to

An optional ATEX and IECEx approved versions of this range are available for explosion protection for flammable gases (zone 0), dusts (zone 20) and mining areas (group I M1).

TECHNICAL DATA

2085°C
M Cable outlet screened (IP67)
EN61000-6-4, EN61000-6-2
±0.3% BSFL
Stainless steel
2085°C
0-10V
2 bar
) bar
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Pressure reference	Gauge
Process connection	DIN 11851
Sensor technology	Ceramic thick film or Isolated Piezoresistive Silicon
Storage temperature	540°C
Supply voltage	13-30 V DC