**OEM Automatic Ltd**
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# ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3100EX0250AC
4-20mA, 0..250 bar, G1/2, DIN, Ex




- Suitable for the majority of industrial applications
- Reliable pressure measurement
- Long service life
- All stainless steel construction

### PRODUCT DESCRIPTION

The PR3100 is constructed from stainless steel which incorporates thick film, ceramic and bonded strain gauge technology. This offers excellent stability and accuracy over a long service life. On request this is also available in corrosion resistant materials. The available pressure range options are from 0-1Bar to 0-600Bar.

There are optional ATEX and IECEx approved versions of the PR3100 available for Explosion protection for flammable gases (zone0), 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** | EN61000-6-4, EN61000-6-2 |
| **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 316, Stainless steel 17-4 |
| **Media temperature** | -20..85°C |
| **Output** | 4-20 mA |
| **Overpressure protection** | 500 bar |
| **Pressure range max** | 250 bar |

| | |
|---|---|
| **Pressure range min** | 0 bar |
| **Pressure reference** | Gauge or Absolute |
| **Process connection** | G1/2 |
| **Sensor technology** | Thick film or Bonded foil strain gauge |
| **Storage temperature** | 5..40°C |
| **Supply voltage** | 13-36 V DC |

