

## ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3101-0100AC  
2mV/V, 0..100 bar, G1/2, DIN

- 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                                 |
| Electrical connection    | DIN A 43650                               |
| EMC                      | EN61000-6-4, EN61000-6-2                  |
| Linearity                | ≤±0.3% BSFL                               |
| Material of wetted parts | Stainless steel 316, Stainless steel 17-4 |
| Media temperature        | -20..85°C                                 |
| Output                   | 2mV/V                                     |
| Overpressure protection  | 200 bar                                   |
| Pressure range max       | 100 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      | 10 V DC (5-15 V)                       |

