



# ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3102-V001AC  
0-5V, -1..0 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).

## Specifications

|                        |   |
|------------------------|---|
| Ambient temperature    | -20..85°C                                 |
| Electrical connection  | DIN A 43650                               |
| EMC                    | EN61000-6-4, EN61000-6-2                  |
| Linearity              | ≤±0.3% BSFL                               |
| Materials Wetted Parts | Stainless steel 316, Aluminium oxide, NBR |
| Media temperature      | -20..85°C                                 |
| Output                 | 0-5V                                      |
| Pressure Range Max     | 0   |
| Pressure Range Min     | -1  |
| 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      | 13-30 V DC |

