



## ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3100A0600AC  
4-20mA, 0..600 bar, G1/2, 1M cable

- 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    | 1M Cable outlet screened                  |
| 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                   | 4-20 mA                                   |
| Overpressure protection  | 900 bar                                   |
| Pressure range max       | 600 bar                                   |
| Pressure range min       | 0 bar                                     |
| Pressure reference       | Gauge                                     |
| Process connection       | G1/2                                      |

|                            |  |
|----------------------------|--|
| <b>Sensor technology</b>   | Thick film or Bonded foil strain gauge |
| <b>Storage temperature</b> | 5..40°C                                |
| <b>Supply voltage</b>      | 13-36 V DC                             |

