



# ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3103B1000AB  
0-10V, 0...1000 bar, G1/4, M12

- 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   | M12                                       |
| EMC                     | EN61000-6-4, EN61000-6-2                  |
| Linearity               | ≤±0.3% BSFL                               |
| Materials Wetted Parts  | Stainless steel 316, Stainless steel 17-4 |
| Media temperature       | -20..85°C                                 |
| Output                  | 0-10V                                     |
| Overpressure protection | 1,200 bar                                 |
| Pressure Range Max      | 1000                                      |
| Pressure Range Min      | 0   |
| Pressure reference      | Gauge                                     |
| Process connection      | G1/4                                      |

|                            |  |
|----------------------------|--|
| <b>Sensor technology</b>   | Thick film or Bonded foil strain gauge |
| <b>Storage temperature</b> | 5..40°C                                |
| <b>Supply voltage</b>      | 13-30 V DC                             |

