



# ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3102C0010AC  
0-5V, 0..10 bar, G1/2, 1M cable IP67

- 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	1M Cable outlet screened (IP67)
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
Overpressure protection	20 bar
Pressure Range Max	10
Pressure Range Min	0
Pressure reference	Gauge or Absolute
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>	13-30 V DC

