



# ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3100EX1000AC  
4-20mA, 0...1000 bar, G1/2, DIN, Ex

- 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
Atex Approvals	Ex II 1 D Ex ia IIIC T135 °C Da, Ex II 1 G Ex ia IIC T4 Ga, Ex I M 1 Ex ia I Ma
Atex approved	Yes
Electrical connection	DIN A 43650
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	4-20 mA
Overpressure protection	1,200 bar
Pressure Range Max	1000
Pressure Range Min	0

<b>Pressure reference</b>	Gauge
<b>Process connection</b>	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

