ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

• Suitable for the majority of industrial applications

PR3100EX0250AC 4-20mA, 0..250 bar, G1/2, DIN, Ex

- 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	-2085°C
Approvals	CE, IEC
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	-2085°C
Output	4-20 mA
Overpressure protection	500 bar
Pressure Range Max	

Pressure Range Min	0
Pressure reference	Gauge or Absolute
Process connection	G1/2
Sensor technology	Thick film or Bonded foil strain gauge
Storage temperature	540°C
Supply voltage	13-36 V DC

