OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3100EX02.5AC
4-20mA, 0..2,5 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).

TECHNICAL DATA

Ambient temperature	-20..85°C
ATEX approved	Yes
Electrical connection	DIN A 43650
EMC	EN61000-6-4, EN61000-6-2
EX 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
Linearity	≤±0.3% BSFL
Material of wetted parts	Stainless steel 316, Aluminium oxide, NBR
Media temperature	-20..85°C
Output	4-20 mA
Overpressure protection	5 bar
Pressure range max	2.5 bar
Pressure range min	0 bar

Pressure reference	Gauge or Absolute
Process connection	G1/2
Sensor technology	Thick film or Bonded foil strain gauge
Storage temperature	5..40°C
Supply voltage	13-36 V DC

