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ESI - PR3100 - INDUSTRIAL PRESSURE SENSOR

PR3102B1000AC
0-5V, 0…1000 bar, G1/2, M12

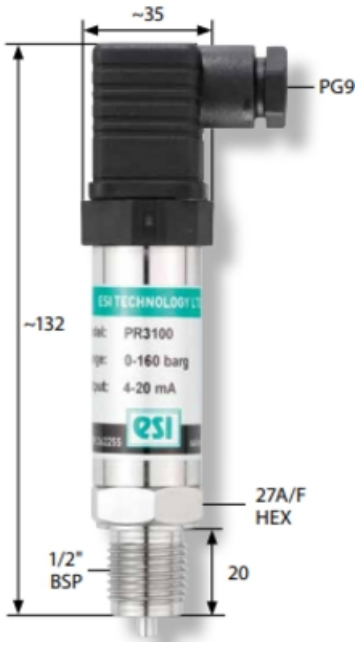
- Suitable for the majority of industrial applications
- Reliable pressure measurement
- Long service life
- All stainless steel construction

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).

TECHNICAL DATA

Ambient temperature	-20..85°C
Electrical connection	M12
EMC	EN61000-6-4, EN61000-6-2
Linearity	≤±0.3% BSFL
Material of wetted parts	Stainless steel 316, Stainless steel 17-4
Media temperature	-20..85°C
Output	0-5V
Overpressure protection	1,200 bar
Pressure range max	1000 bar
Pressure range min	0 bar
Pressure reference	Gauge

Process connection	G1/2
Sensor technology	Thick film or Bonded foil strain gauge
Storage temperature	5..40°C
Supply voltage	13-30 V DC