ESI - PR3110EX - ATEX PRESSURE SENSOR

PR3110EX0.25AB
4-20mA, 0..250 mbar, G1/4, DIN, Ex



- ATEX and IECEx certified
- Designed for operation in zone 0, zone 20 and M1 mining
- Wide choice of low and high pressure ranges
- NACE corrosion resistant materials

PRODUCT DESCRIPTION

Robustly constructed from stainless steel the PR3110EX range incorporates the latest silicon strain gauge technology together with a custom IC amplifier offering excellent stability and accuracy over a long service life.
Electrical connection is via a detachable DIN connector allowing easy access to zero and span adjustment. Standard pressure connection is 1/2” BSP, but other options are available. Pressure ranges are available from 0- 100 mbar to 0- 900 mbar. Suitable for use with low pressure fluid and gas applications.
The PR3110EX is intended for installation and operation in zone 0, gas group IIC, temperature class T4 and zone 20 dust and M1 mining. ATEX and IECEx approval and protection is by intrinsic safety when used with a safety or isolation barrier.

SPECIFICATIONS

Ambient temperature	-20..85°C
Approvals	CE, DNV, IEC
Atex Approvals	Ex I M 1 Ex ia I Ma, Ex II 1 G Ex ia IIC T4 Ga, Ex II 1 D Ex ia IIIC T135 °C Da
Atex approved	Yes
EMC	EN61000-6-2, EN61000-6-4
Linearity	≤±0.3% BSFL
Media temperature	-20..85°C
Overpressure protection	0.75 bar
Pressure Range Max	0.25
Pressure Range Min	0
Pressure reference	Gauge
Sensor technology	Isolated Piezoresistive Silicon

Storage temperature	5..40°C
Supply voltage	13-36 V DC

