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ESI - PR3900 - HAZARDOUS AREA PRESSURE SENSOR

PR3900-1000AB
4-20mA, 0..1000 bar, G1/4, 1M submersible cable

- 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

The PR3900 gives a steady and exact intrinsically safe two wire output signal of 4-20mA. Pressure ranges available from 0-10 bar to 0-1,500 bar. The unique silicon-on-sapphire sensor gives a remarkable performance, stability and precision over a wide temperature range and gives superb chemical compatibility. Electrical connection is via a solid and sturdy polyurethane cable with integral vent tube for effective gauge venting to atmosphere, various process connections are available. Applications include any above ground explosive/hazardous environment installations, oil and gas industries and volatile chemical processing and storage.

TECHNICAL DATA

Ambient temperature	-20..85°C
Approvals	CE, DNV, IEC
Electrical connection	1m Submersible cable
EMC	EN61000-6-4, EN61000-6-2
Linearity	≤±0.3% BSFL
Material of wetted parts	Stainless steel 316
Media temperature	-20..85°C
Output	4-20 mA
Overpressure protection	1,500 bar
Pressure range max	1000 bar
Pressure range min	0 bar
Pressure reference	Gauge
Process connection	G1/4

Sensor technology	Silicon-on-Sapphire
Storage temperature	5..40°C
Supply voltage	10-36 V DC