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ESI - PR3200 - DIFFERENTIAL PRESSURE SENSOR

PR3200EX0100AR
4-20mA, 0..100 bar, G1/4, DIN, Ex



- Silicon-on-sapphire sensor technology
- Wide range of pressure ranges from ultra-low to 200barDP
- wet/wet OR dry/dry OPERATION
- Durable designs for industrial and commercial installations

PRODUCT DESCRIPTION

The PR3200 differential pressure transmitter has two titanium alloy Silicon-on-Sapphire sensors, this offers a high performance with the true wet/wet operation. This is suitable for all liquids and gases compatible with stainless steel and titanium. Applications for this range include flow measurement for orifice plates and mass flow meters, plus static differential pressure measurement and control in combustion chambers. They can also be used for condition monitoring and filter monitoring in high pressure hydraulic systems or for any other application on liquid or gas requiring dependable differential pressure measurement.

There are optional ATEX and IECEx approved versions of the PR3200 available for explosion protection for flammable gases (zone0), dusts (zone 20) and mining areas (group I M1).

TECHNICAL DATA

Ambient temperature	-20..85°C
Approvals	CE, IEC
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	Titanium alloy, Stainless steel AISI 304
Media temperature	-20..85°C
Output	4-20 mA
Overpressure protection	150 bar
Pressure range max	100 bar
Pressure range min	0 bar

Pressure reference	Differential
Process connection	G1/4
Sensor technology	Silicon-on-Sapphire
Storage temperature	5..40°C
Supply voltage	10-36 V DC

