ESI - PR3202 - DIFFERENTIAL PRESSURE SENSOR

PR3202EX0500AW
4-20mA, 0..500 mbar, 4.8mm tube stem x2, PG7 cable gland, Ex

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

Product description

The PR3202 air differential pressure transmitter gives you a precise solution for low pressure sensing, and is fully temperature compensated for unrivalled stability at very low pressures. Housed in a RFI protected shielded mountable box for EMC security, these transmitters combine exact measurement for control at extremely low pressure, with the robustness and adaptability for industrial and commercial installations. An optional heavy-duty aluminium die-cast housing is available for the harshest environments.

There are optional ATEX and IECEx approved versions of the PR3202 available for explosion protection for flammable gases (zone0), dusts (zone 20) and mining areas (group I M1).

Specifications

Ambient temperature	-20..70°C
Approvals	CE, IEC
Atex 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
Atex approved	Yes
Electrical connection	PG7 Cable gland
EMC	EN61000-6-2, EN61000-6-4
Linearity	≤±0.3% BSFL
Materials Wetted Parts	Nickel-plated brass
Media temperature	-20..70°C
Output	4-20 mA
Overpressure protection	1.2 bar
Pressure Range Max	0.5

Pressure Range Min	0
Pressure reference	Differential
Process connection	4.8mm tube connection
Sensor technology	Piezoresistive Silicon
Storage temperature	5..40°C
Supply voltage	10-36 V DC