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ESI - GS4200 100 BAR UP TO 1500 BAR PRESSURE

General Pressure Sensor

GS4200EX1000AB
4-20mA, 0..1000 bar, G1/4, DIN, Ex



- Silicon-on-sapphire sensor technology
- Pressure ranges up to 1,500 bar
- Umblemished track record of reliability
- Titanium wetted parts

PRODUCT DESCRIPTION

The ESI Technology GS4200 pressure sensor is designed to meet the operational requirements of demanding pressure measurement applications where good quality, fast delivery and low cost are of the highest priority.

The unique Silicon-on-Sapphire (SOS) sensor technology provides outstanding performance and gives excellent stability over a wide temperature range. The all titanium alloy wetted parts offer unbeatable corrosion resistance making it suitable for a wide range of applications. The GS4200 starts from -1 to 0 bar up to 0 to 1500 bar with a total of fourteen standard pressure ranges, four options of outputs including 4-20mA and 0-10V and also four different electrical connections including a DIN connector and M12.

This transmitter is truley unique with its versatility matched with high accuracy, impressive over pressure safety, reliabilty and low temperature error,

Application examples

- Aerospace
- Automotive
- Heavy duty
- Mobile hydraulics
- Off-shore (Sea/salt water)
- Process

TECHNICAL DATA

Ambient temperature	-40..85°C
Approvals	CE, DNV, IEC
ATEX approved	Yes
Electrical connection	DIN A 43650
EMC	EN61000-6-3, 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	≤±0.25% BFSL
Material of wetted parts	Titanium alloy
Media temperature	-50..125°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

