

PGS100 ABB Pressure Transmitter Differential Pressure Measurement

Our Product Introduction

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Basic Information

- Brand Name: ABB
- Model Number: PGS100



Product Specification

- Customized Support: OEM
- Mounting Bracket: 316 Stainless Steel
- Supply Voltage Effect: 0.005% Span Per Volt
- Output Signal: 4~20mA
- Measurement Range: 0.1...0..100MPa
- Power Supply: 24VDC
- Operating Temperature: 40~85
- Electrical Output Signal: DC 0 ... 10
- Highlight: **PGS100 ABB Pressure Transmitter, ABB Pressure Transmitter PGS100, abb differential pressure measurement**



More Images



Product Description

Gauge pressure transmitter PGS100

Model PGS100 is the compact, reliable, essential gauge pressure transmitter suitable for liquid, gas or steam applications. It is a straightforward and robust device designed for rapid delivery and easy installation and use. Thanks to its rugged design offering high resistance in even the most demanding environments, it is a competitive solution for most applications, including ones in hazardous areas.

Overview

PGS100 is the new gauge pressure transmitter from ABB, designed to fit markets with standard specifications but subject to fast-to-serve dynamics.

Its compact stainless steel housing grants robustness, resistance to humidity and vibration, while incorporating the high visibility display with backlight option. Easiness of use of the touch HMI is enhanced by the Easy Set up feature, a firmware option to easily configure device parameters from the display itself.

ABB's unique technologies like Diaflex (anti-abrasion) or H-Shield (anti hydrogen permeation) come handy if applications demand more.

PGS100 offers integral process connections to be combined with a wide selection of adapters and flanges to ensure mechanical fitting to any process point, including the ABB M26 manifold range.

Its new QR code option, called Digital Access Diagnostic, details operational messages and enables fast access to useful supporting information on the device and its status with suggestions for correcting errors or faulty conditions, as well as details of possible root causes, thus reducing the reaction time to field occurrences.

PGS100: compact, reliable, essential.

Data

Base accuracy : $\pm 0.25\%$ (optional $\pm 0.1\%$ and 0.075%)

Span limits: from 3 mbar (1,2 in H₂O) up to 100 bar (1450 psi)

Output signal: -4 to 20 mA analog signal or 4 to 20 mA analog signal with HART digital protocol

Local operation with new easy-to-use HMI (Human Machine Interface) with backlight option for environments with poor lighting.

Two-button touch display avoids the need to remove the transmitter cover to operate device in the field.

Devices with a permissible pressure $PS > 200$ bar conforms to PED Directive 2014/68/UE; devices with a permissible pressure

$PS \leq 200$ bar conforms to SEP Sound Engineering Practices



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