



JiuYuHub

Fluid Control Instrument Series



Smart Gauge Pressure Transmitter

S3000CG

Product Technical Specification | July 2026

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Product Overview

The S3000CG smart gauge pressure transmitter uses capacitive sensor technology with 0.075%/0.1% accuracy, range 0.6kPa-40MPa, 4-20mA/HART output. Compact, rugged, and lightweight design. Can integrate valve manifold, primary element, and remote seal. Ideal for level, density, and pressure measurement of liquid, gas, and steam.

- Capacitive Sensor
- 0.075% Acc.
- 0-40MPa
- 4-20mA/HART
- 316L

Key Features



High Accuracy
0.075%/0.1% for precision industrial process control.



4-20mA/HART
Standard 4-20mA analog + HART digital communication.



Compact Design
Small, rugged, lightweight, easy to install.



Integrated Design
Optional valve manifold, primary element, remote seal.



316L/Hastelloy
Wetted diaphragm: 316L/Hastelloy C/gold-plated/FEP.



Wide Range
0.6kPa-40MPa from micro to high pressure.

Technical Specifications

Parameter	Specification
Model	S3000CG
Type	Gauge pressure transmitter
Principle	Capacitive sensor
Accuracy	0.075%/0.1%
Range	0.6 kPa-40 MPa (ranges selectable)
Detection Limit	N/A (pressure transmitter)
Output	4-20mA/HART
Wetted Diaphragm	316L/Hastelloy C/gold-plated/FEP
Process Connection	1/4" NPT + 7/16" UNF
Gasket	NBR/FKM/PTFE optional
Power	24VDC
Protection	IP67
Mounting	Direct/valve manifold/remote seal
Maintenance	Periodic zero check; sensor maintenance-free

Typical Applications

- Industrial process pressure monitoring



- ▶ Steam pipeline pressure
- ▶ Chemical reactor level measurement
- ▶ Compressed air pressure control
- ▶ Water treatment pressure monitoring

Ordering Guide

Product Code	Description
S3000CG	Transmitter + mounting hardware

Accessories/Consumables

Accessory	Specification	Note
Valve Manifold	-	Optional
Mounting Bracket	-	Standard

Why Choose Jiuyuhub

 Application-First Matching Recommendations based on operating conditions.	 Southeast Asia Adapted Optimized for tropical environments.
 One-Stop Supply Water quality, fluid control, flow measurement.	 24-Hour Response Fast response to inquiries.

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