



JiYuHub

Fluid Control Instrument Series



Smart Differential Pressure Transmitter

S3000CD

Product Technical Specification | July 2026

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Product Overview

The S3000CD smart differential pressure transmitter uses capacitive sensor technology with 0.075% accuracy, range 0-10MPa (from 0-100Pa), rated pressure 16/25/40MPa. For flow, level, density, and pressure measurement of liquid, gas, and steam. 4-20mA/HART output, compact and rugged design.

- DP Transmitter
- 0.075% Acc.
- 0-40MPa
- 4-20mA/HART
- 316L

Key Features



0.075% Accuracy

For precision industrial DP measurement.



4-20mA/HART

Standard 4-20mA + HART digital communication.



Integrated Design

Optional valve manifold and remote seal.



Multi-Material

316L/Hastelloy C/gold-plated/FEP wetted diaphragms.



High Pressure Rating

16/25/40MPa rated working pressure.



Compact & Light

Compact design, easy installation.

Technical Specifications

Parameter	Specification
Model	S3000CD
Type	Differential pressure transmitter
Principle	Capacitive sensor
Accuracy	0.075%
Range	0-10MPa (from 0-100Pa, ranges selectable)
Rated Pressure	16MPa/25MPa/40MPa
Detection Limit	N/A (DP 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
Overload	Up to rated pressure
Power	24VDC
Protection	IP67
Mounting	Direct/valve manifold/remote seal
Maintenance	Periodic zero check; sensor maintenance-free

Typical Applications

- ▶ Orifice plate flow DP measurement
- ▶ Tank level DP measurement
- ▶ Filter DP monitoring
- ▶ Industrial density measurement
- ▶ Heat exchanger DP monitoring

Ordering Guide

Product Code	Description
S3000CD	Transmitter + mounting hardware

Accessories/Consumables

Accessory	Specification	Note
3-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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