

World's 1st Smart Pressure Sensing System

FEATURES

- Measures Monitors & Controls
- Solid state Technology
- 36 months guarantee
- Wide adjustable range
- Compact size
- Bluetooth, RS485 & RS232
- Modbus
- Data logger
- Battery or 12-24 VDC
- Programmable
- Weather proof IP68
- Led status indicator
- OEM compatible



dps+ Smart Pressure System

Rotal's DPS+ is the definitive pressure sensor because it's so much more than just a pressure sensor. DPS+ is an all-in-one, high-performance Differential Pressure Switch (DPS), 2x pressure switch (PS), Differential Pressure Transmitter (DPT), 2x Pressure Transmitter (PT), Filter Wash Controller with Data Logger and more. All DPS+ features are enabled and setup using a mobile device or serial communication.

DPS+ INTRODUCTION

DPS+ combines leading edge design with commercial sensitivity. So when it comes to monitoring and controlling pressure, it's not just market leader in delivery, it saves you money too.

DPS+ is a durable, solid state and high precision product. It scores on compact size, superb performance, chemical resistance, and environmental excellence.

DPS+ is accurate within +/-0.5.% or less, of full scale. The device comes in four pressure ranges 0-1, 0-7, 0-10 and 0-20 bar.

DPS+ TECHNOLOGY

DPS+ is a microcontroller based pressure measuring device. It measures the pressure using two independent

electronic pressure sensors and analyses the data using its own microprocessor. When pressure difference reaches the preset values, it activates, based on its settings, the two built-in switches.

When connecting the DPS+ to a central control system or PLC, the DPS+ can use its two analog outputs or its RS485 communication port using MODBUS to reflect the pressure or differential pressures.

The DPS+ is suitable for use in harsh chemical environments for PH 1-14, fuel, alcohol and other chemicals.

The DPS+ durable design guarantees peak performance irrespective of weather conditions.

The DPS+ Installation and operation are easy and intuitive using a smart phone application to set up and monitor.

DPS+ TYPICAL APPLICATIONS

The DPS+ is a flexible solution for any OEM equipment that requires pressure monitoring and control.

DPS+ measures, monitors pressure and differential pressure. The DPS+ can be used in every system and especially in the following applications:

Filters, pressure difference monitoring over filters and controls their cleaning locally.

Pumps, monitoring pressure generated by a pump, and protecting them from running without liquid.

Chillers, monitoring flow to avoid freezing.

Level, monitoring and control liquid level.

Flow, measure, monitor, and control flow of liquids.

World's 1st Smart Pressure Sensing System

Model and Suffix codes

01	BAR DPS+ SYSTEM
07	BAR DPS+ SYSTEM
10	BAR DPS+ SYSTEM
20	BAR DPS+ SYSTEM
D	Differential Pressure Switch (DPS)
P	Two pressure switches
W	Filter wash control functionality
A	Analog output
B	Two Analog outputs
L	Data Logger
2	RS 232
4	RS 485
G	GSM
F	Output for latch solenoid 12-24VDC
R	Dry Contact (2A max)
S	1% accuracy out of full span
M	0.5% accuracy out of full span
H	0.25% accuracy out of full span



DPS+	01	D	P	A	L	2	F	S
	07							
	10							
	20							

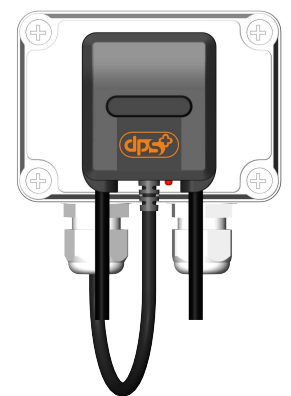
dps+ Smart Pressure System

Specifications

Item	Specification
Working pressure	0-1/0-7/0-10/0-20 (BAR)
Pulse pressure	2X Full scale
Storage temperature	-10 to +70°C
Working temperature	0 to +70°C
Enclosure specification	IP 68
Accuracy	0.25% FS
Switch output	2*2A
Electrical rating	12-24 VDC/AC
Analogue output DPT, 2*PT	1-5VDC, 0-5VDC, 1-10 VDC, 4-20mA
Electrical	Bared wire / Terminal Block
Pressure	6 mm
Approvals & Standards	CE



DPS+ & Display & Enclosure



DPS+ & Enclosure