DIGITAL PRESSURE SWITCH WITH DISPLAY

PSW1000 Series

Starts at
$570

CE UL

✔ **High Accuracy with Fully Adjustable Deadband**
✔ **2 Solid State Outputs and 1 Analog Output**
✔ **Pressure Control with Internal Stainless Steel Diaphragm**
✔ **Built-In Digital Pressure Readout**
✔ **Fully Configurable Via Keypad**
✔ **UL Approved**

Specifications

Accuracy: 0.5% FS
Linearity Error: ±0.5% FS at 25°C (77°F)
Repeatability: ±0.1% full scale
Sensor Element: Piezoresistive measuring cell

Material
  Wetted Parts: 304 SS
  Seal: FKM (fluorelastomer)
Process Connection: ¼-18 NPT or 7/16-20 SAE (G¼ metric thread optional, consult sales)
Electrical Connection: Plug M 12 x 1, 5 pin
Power Supply: 15 to 28 Vdc
Power Consumption: Approx 40 mA @ 24 Vdc (without load)

A/D Converter:
  Resolution: 12 bit (4096 steps per measure span)
  Scanning Rate: 100/s (for peak value memory)

Analog Output

Current Output: 4 to 20 mA
Load:
  Max RI: (12V)/20 mA
  RI: 600 Ω at 24 Vdc
Load Influence: 0.3%/100 Ω
Voltage Output: 0 to 10 Vdc, optional

Rating: Max 10 mA, short circuit-proof
Adjustment: 0 to 125% full scale

Switching Outputs

Adjustment Range: 0 to 125% FS
Hysteresis: 0 to 125% FS
Delay: 0.0 to 9.9 seconds-adjustable
Contact Rating: Max 400 mA, short circuit-proof
Status Display(s): Green LED(s)

Digital Display

Display Height: Green 4-digit dot matrix, 5 mm (0.2")
Display Range: -999 to 999
Display Rate: 5 readings/second
Delay: 0.0 to 9.9 seconds adjustable
Brightness: 20 to 100% adjustable
Error Display: LED red and alphanumeric display
Operating Elements: 3 easy response push buttons
Temperature Range:
  Media: -25 to 100°C (-13 to 212°F)
  Electronics: -10 to 70°C (14 to 158°F)
  Storage: -30 to 80°C (-22 to 178°F)
Temperature Influence: ±0.2% FS/10 K

Protection Class: IP65
Compensation Range: -10 to 70°C (14 to 158°F)
Approvals: UL
Dimensions: 32 Dia x 120 mm L (1.2 x 4.7")
Weight: Approx 350 g (0.8 lb)

PSW1000-150-I, $570, shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*

MODEL NO.	PRICE	STANDARD	METRIC
DUAL SWITCH PLUS 4 to 20 mA OUTPUT, ¼ MNPT FITTING			
PSW1000-15A-I	**$660**	0 to 15 psia	0 to 1 bar abs
PSW1000-75A-I	660	0 to 75 psia	0 to 5 bar abs
PSW1000-150A-I	660	0 to 150 psia	0 to 10 bar abs
PSW1000-150-I	570	0 to 150 psig	0 to 10 bar
PSW1000-750-I	570	0 to 750 psig	0 to 50 bar
PSW1000-1.5K-I	570	0 to 1500 psig	0 to 100 bar
PSW1000-3K-I	570	0 to 3000 psig	0 to 200 bar
PSW1000-6K-I	570	0 to 6000 psig	0 to 400 bar
PSW1000-9K-I	570	0 to 9000 psig	0 to 600 bar
DUAL SWITCH PLUS 4 to 20 mA, 7/16-20 SAE FITTING			
PSW1002-15A-I	$695	0 to 15 psia	0 to 1 bar abs
PSW1002-75A-I	695	0 to 75 psia	0 to 5 bar abs
PSW1002-150A-I	695	0 to 150 psia	0 to 10 bar abs
PSW1002-150-I	605	0 to 150 psig	0 to 10 bar
PSW1002-750-I	605	0 to 750 psig	0 to 50 bar
PSW1002-1.5K-I	605	0 to 1500 psig	0 to 100 bar
PSW1002-3K-I	605	0 to 3000 psig	0 to 200 bar
PSW1002-6K-I	605	0 to 6000 psig	0 to 400 bar
PSW1002-9K-I	605	0 to 9000 psig	0 to 600 bar

Comes complete with mating connector and operator's manual.

To order a unit with a 0 to 10 Vdc output instead of a 4 to 20 mA output, change the "-I" at the end of the model number to "-V", and add $51 to price.

Ordering Examples: PSW1002-150-I, *dual pressure switch, 4 to 20 mA output with 0 to 150 psig (0 to 10 bar) range and a 7/16-20 SAE process connection,* **$605.**
PSW1000-6K-I, *dual pressure switch, 4 to 20 mA output with 0 to 400 bar (0 to 6000 psi) and ¼ MNPT fitting,* **$570.**

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