

HP-S925 Intelligent Digital Pressure Switch



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I. Product Overview

HP-S925 intelligent digital pressure switch is a high-precision digital display electrical contact pressure gauge developed to replace mechanical electrical contact pressure gauges. Based on the principle of pressure sensors and using mechanical components, it has good anti-seismic and impact resistance. It can perfectly replace the mechanical electric contact pressure gauge, and is especially suitable for equipment with pressure shock or strong vibration, such as hydraulic presses, injection molding machines, high-pressure cleaning machines, etc.

The series of products also has a key to clear the zero, three kinds of display units switch and other functions.

The design of the circuit focuses on stability, fully considering the actual situation of the automation site, with strong anti-dry magnetic interference, anti-surge protection, anti-reverse connection protection, etc.

The product's shell and joints are all made of 304 stainless steel, beautiful appearance, sturdy and durable.

II. Features

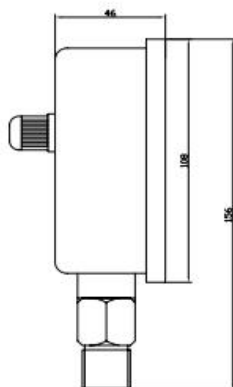
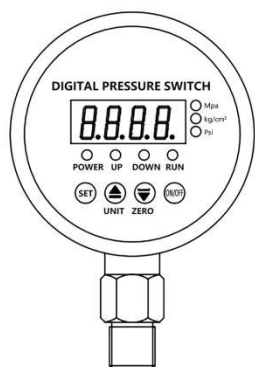
- 304 stainless steel case and fittings, radial mounting
- 4-digit LED real-time pressure display, simple and intuitive
- Multiple units switchable: MPa, Kg/cm², PSI (or kPa, Kg/cm² PSI)
- 60mm, 80mm, 100mm dial diameter.
- Relay output, upper and lower limits can be set to meet different customer needs
- Built-in a variety of functions: delay control, reverse control, leakage protection, password protection, etc.
- It can be customized according to the requirements of special industries, special sensors

III. Parameters

Dial Diameter	60mm, 80mm, 100mm
Medium	Gases or liquids compatible with stainless steel
Pressure range	-0.1~0...0.1...1.6...25...60...100...160MPa Mini pressure(0~1, 2, 5, 10, 25, 40, 60, 100)Kpa
Overload	(<10MPa) 200%; (>10MPa) 150% ;
Alarm point setting	1%~99% can be set

Alarm way	Two way relay output(Normally close/open)
Accuracy	0.5%FS, 1.0%FS(100...160MPa)
Long-term Stability	0.25%FS/Year
Load Capacity	220VAC 5A ,24VDC 5A
Supply voltage	24VDC, 220VAC, 380VAC(Optional)
Working temperature	-20~ 65℃
Electrical protection	Reverse polarity protection Anti-electromagnetic interference
Sampling rate	5 times/Second
Process Thread	M20*1.5
Electrical connection	Cable outlet, M12*1
Material	304 Stainless Steel

IV. Drawings



unit:mm

V. Wire definition

Power	Red. Blue.
High alarm point	Green (normally open)
Low alarm point	Green (normally close)
Common	Black

