

Digital Display Pressure Switch



PS80

Digital Display Pressure Switch



Product Features

- Products can be used in SUS316 no corrosive fluid environment
- Induction and over stainless steel 316L
- Waterproof design, protection grade IP65
- Using imported chip, higher stability
- Intelligent LED display, easy to distinguish
- Large font display, clearly visible
- Built-in switching multiple units
- Can be set up power saving mode
- Key lock, operation by professional staff excluded
- Multiplexed output operation, Control multiple devices separately
- Single-channel output current is 200 mA, can control large load
- Built-in over current, short circuit protection function
- Built-in automatic fault diagnosis and fault code alarm

How to Order?

Series No.	Pressure Type	Output Type	Port Size
PS80: anti-corrosion type	C: connect pressure (- 103 kpa to 103 kpa) P: positive pressure (0.1 MPa to 1.0 MPa) H: high pressure (0.1 MPa to 2.0 MPa)	N: 1 way NPN output 2N: 2 channel NPN output 2NV: 2 channel NPN+1 channel analog voltage output (1-5V) 2NA: 2 channel NPN+1 channel analog voltage output (4-20mA) P: 1 channel PNP output 2P: 2 channel PNP output 2PV: 2 channels PNP+1 channel analog voltage output (1-5V) PA: 1 channel PNP+1 channel analog current output (1-5V) 2PA: 2 channels PNP+1 channel analog voltage output (1-5V) PA: 1 channel PNP+1 channel analog current output (4-20mA) NR: 1 channel NPN+RS485 communication PR: 1 channel PNP+RS485 communication	07: PT1/8(Internal Thread) 08: VCR1/4 09: PT1/4(M5) 10: 1/4(Bite type fitting)

Product Display



PT1/8 (The internal thread fitting)



VCR1/4 (End face seal fitting)

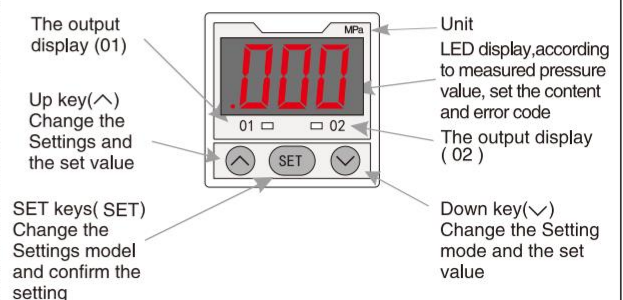


1/4(Bite type fitting)

Installation Accessories (Sold Separately)

Panel Installation bracket:	MS-PS80-01	PS80
L-shaped bracket:	MS-PS80-04	special

Panel Description

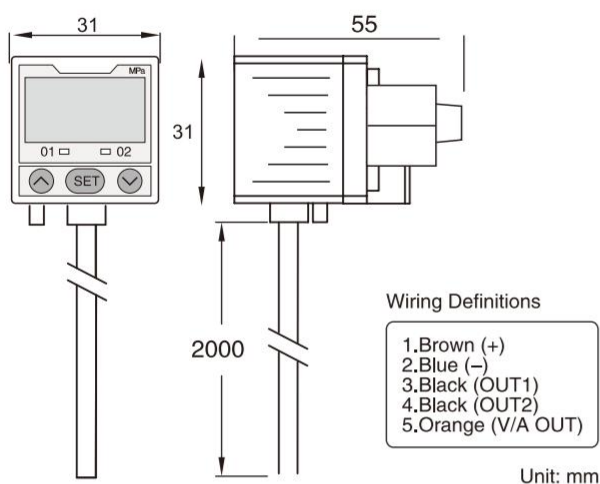


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Pressure Switch

Specifications

Models		High pressure	Positive pressure	Continuous pressure
Rated pressure range		0.1~2.0MPa	-0.1~1.0MPa	0~1.0kPa
Set pressure range		-0.103~2.03MPa	-0.103~1.03MPa	-103~103kPa
Pressure resistance		3.0MPa	1.5MPa	300kPa
Applicable fluid		Non-corrosive fluid to SUS316, SUS304		
Supply voltage		less than 10% DC12~24V ± 10% Ripple peak value		
Current consumption		≤ 40mA when not loaded		
Minimum scale value of pressure unit	kPa	-	-	0.1
	MPa	0.001	0.001	-
	kgfa/cm2	0.01	0.01	0.001
	bar	0.01	0.01	0.001
	psi	0.1	0.1	0.01
	inHg	-	-	0.1
	mmHg	-	-	1
Switching output	Output type	Open collector output (NPN or PNP, up to 2 outputs)		
	Load current	Max 200mA		
	Internal voltage drop	1.0V		
	Response time	<2.5ms(can be set 25, 100, 250, 500, 1000, 1500ms)		
Linear voltage output	Output voltage	0.6V~5V ± 2.5%F.S	1V~5V ± 2.5%F.S(within rated voltage)	
	Output impedance	Approx 1 KΩ		
	Linearity	± 1%F.S		
Linear current output	Current output	4~20mA(± 2.5%F.S)(Impedance: DC12V maximum impedance 250Ω DC24 maximum impedance 600Ω)		
Display	Color \ Speed	Red (Display refresh rate: 5 times/SEC)		
	Display accuracy	± 1%F.S ± 1 digit(temperature 25 ± 3 ° C)		
Hysteresis	Repeat accuracy	± 0.3%F.S ± 1digit		
	Action Indication	OUT1 OUT2		
	Single point mode	-		
	Window Mode	1~8 adjustable		
Environment	Hysteresis Mode	None		
	Protection Class	IP65		
	Temperature around	0~ 50℃		
	Storage Temperature	Storage: -10℃~60℃(no water dew and no freezing state)		
	Temperature Characteristics	± 3%F.S comparison reference temperature 25℃(0~50℃ temperature range)		
	Humidity around	Action and storage :35~85%K dewless)		
	Voltage resistance	AC 1000V 1 min (between leads and plastic housing)		
	Insulation resistance	More than 50M2 (DC 500V)(between the lead and the plastic housing)		
	Shock resistance	Vibration amplitude 1.5mm,10Hz~55Hz~10Hz per minute, X, Y, Z each direction 2 hours		
	Impact resistance	100m/s(10G)X, Y, Z 3 times in each direction		
Port size	07: PT1/8(internal thread) 08: VCR1/4 09: PT1/4(M5) 10: 1/4(jacking type connector)			
Wire specifications	Oil resistant PVC cable (0.2mm)			
Weight	Approx 270g (including 2 meters of cable)			

Product Size



Optional Accessories

