

TYPE		PS1PS-110-420 PS1PS-110-15	PS1PS-11-420
Rated pressure range		-1 .. 10 Bar	-1 .. 1 Bar
Setting pressure range		-1 .. 10 Bar	-1 .. 1 Bar
Resisting pressure		15 Bar	3 Bar
Application Filtered air, Non-corrosive / Non-flammable gas			
Setting pressure resolution	kPa	—	0.1
	MPa	0.001	—
Power supply voltage		12 to 24V DC $\pm 10\%$ , Ripple (P-P) 10% or less	
Current consumption		$\leq 40\text{mA}$ (With no load)	
Switch output		NPN: open collector 2 outputs Max. load current: 125mA Max. supply voltage: 30V DC Residual voltage: $\leq 1.5\text{V}$	PNP: open collector 2 outputs Max. load current: 125mA Max. supply voltage: 24V DC Residual voltage: $\leq 1.5\text{V}$
Repeatability(Switch output)		$\pm 0.2\%$ F.S. $\pm 1$ digit	
Hysteresis	One point set mode	Adjustable (*1)	
	Hysteresis mode		
	Window comparator mode		
Response time		$\leq 2.5\text{ms}$ (chattering-proof function: 25ms, 100ms, 250ms, 500ms, 1000ms and 1500ms selections)	
Output short circuit protection		Yes	
7 segment LCD display		Two color(Red/Green) main & unit display, Orange sub-display (Sampling rate: 5 times/1sec.)	
Indicator accuracy		$\pm 2\%$ F.S. $\pm 1$ digit (ambient temperature: 25 $\pm 3^\circ\text{C}$ )	
Switch ON Indicator		Orange (1 & 2 Indicator) OUT1 OUT2	
Analog output (Voltage Output) *2		Output Voltage: 1 to 5V $\pm 2.5\%$ F.S. (within rated pressure range) Linearity: $\pm 1\%$ F.S. Output impedance: about 1k $\Omega$	
Analog output (Current Output) *3		Output Current: 4 to 20mA $\pm 2.5\%$ F.S.(within rated pressure range) Linearity: $\pm 1\%$ F.S. Max.Load Impedance: 300 $\Omega$ at power supply of 12V 600 $\Omega$ at power supply of 24V Min.Load impedance: 50 $\Omega$	
Environmental Standard	Enclosure	IP 40	
	Ambient temp. range	Operation: 0 ~ 50 $^\circ\text{C}$ , Storage:-10 ~ 60 $^\circ\text{C}$ (No condensation or freezing)	
	Ambient humidity range	Operation/Storage: 35 ~ 85% RH (No condensation)	
	Resisting voltage	1000V AC in 1-min (between case and lead wire)	
	Insulation resistance	50M $\Omega$ (at 500V DC, between case and lead wire)	
	Vibration resistance	Total amplitude 1.5mm or 10G, 10Hz-55Hz-10Hz scan for 1 minute, two hours each direction of X, Y and Z	
Shock resistance		100m/s $^2$ (10G), 3 times each in direction of X, Y and Z	
Temperature characteristic		$\pm 2.5\%$ F.S. of detected pressure (25 $^\circ\text{C}$ ) at temp. Range of 0~50 $^\circ\text{C}$	
Port size		R:R1/8", M5; N:NPT1/8", #10-32UNF; G: G1/8"(BSPP), M5	
Lead wire		Oil-resistance cable(0.15mm $^2$ )	
Mass		Approx. 80g (with 2 meter lead wire)	

\*1.Hysteresis value is adjustable within 1 ~ 8 digits for one point set mode and window comparator mode.

\*2.If analog voltage output is selected, the analog current output cannot be selected at the same time.

\*3.If analog current output is selected, the analog voltage output cannot be selected at the same time.

## Connector type, easy to install

