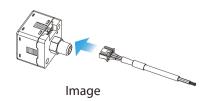


| TYPE | | | PS1PS-110-420 PS1PS-110-15 | PS1PS-11-420 | |
|--------------------------------------|------------------------|-------------|--|--------------|--|
| Rated pressure range | | range | -1 10 Bar | -1 1 Bar | |
| Setting pressure range | | range | -1 10 Bar | -1 1 Bar | |
| Resisting pressure | | re | 15 Bar 3 Bar | | |
| Application | | | Filtered air, Non-corrosive / Non-flammable gas | | |
| Setting pre | Setting pressure | | _ | 0.1 | |
| resolution | | MPa | 0.001 | - | |
| Power supply voltage | | Itage | 12 to 24V DC ±10%, Ripple (P-P) 10% or less | | |
| Current consumption | | otion | ≦ 40mA (With no load) | | |
| Switch output | | | NPN: open collector 2 outputs Max. load current: 125mA Max. supply voltage: 30V DC Residual voltage: ≦ 1.5V PNP: open collector 2 outputs Max. load current: 125mA Max. supply voltage: 24V DC Residual voltage: ≦ 1.5V | | |
| Repeatability(Switch output) | | output) | ±0.2% F.S. ±1 digit | | |
| | One point set mode | | Adjustable (*1) | | |
| | Hysteresis mode | | | | |
| | Window comparator mode | | | | |
| Response time | | | ≦ 2.5ms (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 | | | ±2% F.S. ±1 digit (ambient temperature: 25 ±3°C) | | |
| Switch ON Indicator | | ator | 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 ±2.5% F.S.(within rated pressure range) Linearity: ±1% F.S. Max.Load Impedance: 300Ω at power supply of 12V 600Ω at power supply of 24V Min.Load impedance: 50Ω | | |
| | Enclosur | e | | IP 40 | |
| Environmental Standard | Ambient | temp. range | Operation: 0 ~ 50°C, Storage:-10 ~ 60°C (No condensation or freezing) | | |
| | Ambient humidity range | | Operation/Storage: 35 ~ 85% RH (No condensation) | | |
| | Resisting | g voltage | 1000V AC in 1-min (between case and lead wire) | | |
| | Insulation resistance | | $50 M\Omega$ (at $500 V$ 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/s²(10G), 3 times each in direction of X, Y and Z | | |
| Temperature characteristic | | | ±2.5% F.S. of detected pressure (25°C) at temp. Range of 0~50°C | | |
| Port size | | | R:R1/8", M5; N:NPT1/8", #10-32UNF; G: G1/8"(BSPP), M5 | | |
| Lead wire | | | Oil-resistance cable(0.15mm²) | | |
| 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







Connection terminals

Finished connection