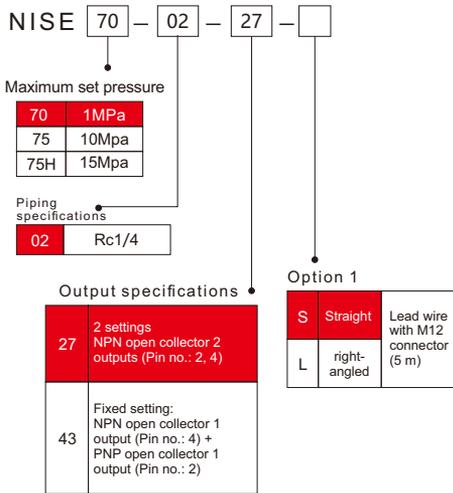




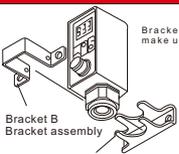
Standard Specifications

| Model | NISE70 | NISE75 | NISE75H |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------|
| Rated pressure range | 0 ~ 10 Mpa | 0 ~ 10 Mpa | 0 ~ 15 Mpa |
| Pressure display range | -0.1 ~ 1 Mpa | -0.4 ~ 10 Mpa | -0.5 ~ 15 Mpa |
| Pressure display resolution | 0.01 Mpa | | |
| Applicable fluid | Air, Non-corrosive gas, Non-flammable gas | | Fluids do not corrode SUS304 630 |
| Power supply voltage | 12 to 24 VDC±10%, Ripple (p-p) 10% or less (with power supply polarity protection) | | |
| Current consumption | 555 mA or less (at no load) | | |
| Switch output | Output -27: 2 settings; NPN open collector 2 outputs (Pin no.: 2, 4) | | |
| | Output -43: Fixed setting; NPN open collector 1 output (Pin no.: 4) + PNP open collector 1 output (Pin no.: 4) | | |
| Max. load current | 80mA | | |
| Max. applied voltage | 30 V (at NPN output) | | |
| Residual voltage | 1 V or less (with load current of 80 mA) | | |
| Response time | 2.5 ms (with anti-chattering function: 20 ms, 160 ms, 640 ms, 1000 ms, 2000 ms) | | |
| Short circuit protection | With short circuit protection | | |
| Repeatability | ±0.5%F.S. | | |
| Hysteresis | Hysteresis mode | | Variable (0 or above) |
| | Window comparator mode | | |
| Display | 3-digit, 7-segment indicator, 2-color display (Red/Green) can be interlocked with the switch output, Sampling cycle: 5 times/1 s | | |
| Display accuracy | 2%F.S.±1 digit (at 25°C±3°C) | | |
| Indicator light | OUT1: Light up when output is turned ON. (Green) OUT2: Light up when output is turned ON. (Red: for output -27, -67) | | |
| Functions | Anti-chattering function, Display unit switching function, Zero-clear function, Keylock function | | |
| Enclosure | Ip67 | | |
| Fluid temperature range | 0 to 50°C (No freezing or condensation) | -5 to 80°C (No freezing or condensation) | |
| Operating temperature range | Operating: 0 to 50°C, Stored: -10 to 60°C | | Operating: -5 to 50°C, Stored: -10 to 60°C |
| Operating humidity range | Operating and stored: 35 to 85%RH (No condensation) | | |
| Withstand voltage | 1000 VAC for 1 minute between terminals and housing | 250 VAC for 1 minute between terminals and housing | |
| Insulation resistance | 50 MΩ or more (500 VDC measured via megohmmeter) between terminals and housing | | |
| Shockproof | 10 ~ 500Hz, the smaller of 1.5mm or 98m / S 2, 2 hours in X, Y and Z | | |
| Shockproof | 980m / S 2, 3 times in X, y and Z directions (without power supply) | | |
| Temperature characteristics (25°C reference: within operating temperature range) | ±2%F.S. | | ±3%F.S. |
| Standards | CE, UL/CSA (UL508) RoHS | | |
| Wetted parts material | Connector: c3604, sensing port: PBT Pressure sensing part: silicon, sealing ring: NBR | | Pressure sensing part: stainless steel sus630 Joint: stainless steel SUS304 |
| | Lead wire | | |
| Lead wire | Oilproof cable with M12 4-pin pre-wired connector, 4 cores, ø4, 5 m | | |

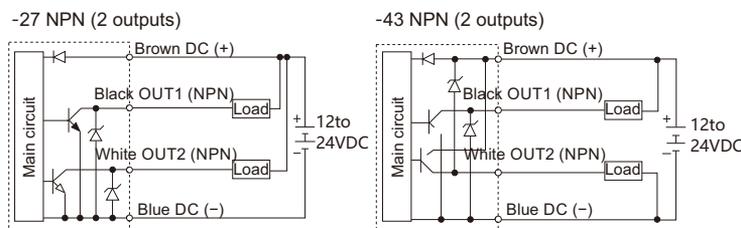
Standard Specifications



Option/Part No.

| Option | Note |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------|
| NZS-31-A |  Bracket B and the bracket assembly make up one set. |
| NZS-31-B | Lead wire length: 5 m |
| NZS-31-C | Lead wire length: 5 m |

Internal Circuits and Wiring Examples

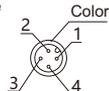


Connector pin number

Output -27 (Color: Gray)

| | | |
|---|-------|-------------------|
| 1 | Brown | DC(+) |
| 2 | White | OUT2 (NPN or PNP) |
| 3 | Blue | DC(-) |
| 4 | Black | OUT1 (NPN or PNP) |

Note) The connector faces down (toward the piping). Do not attempt to rotate the connector, as it is not rotatable



Output -43 (Color: Gray)

| | | |
|---|-------|------------|
| 1 | Brown | DC(+) |
| 2 | White | OUT1 (PNP) |
| 3 | Blue | DC(-) |
| 4 | Black | OUT1 (NPN) |

Dimensions

