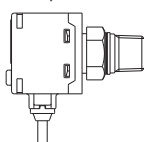
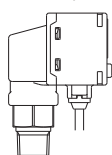




Rear ported

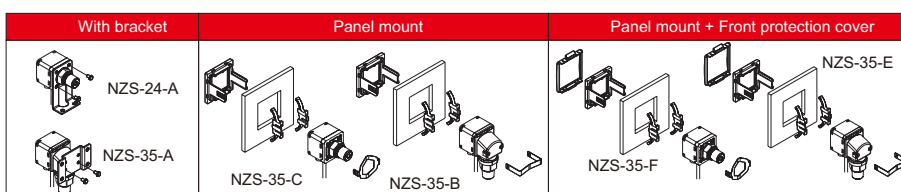


Bottom ported



Option

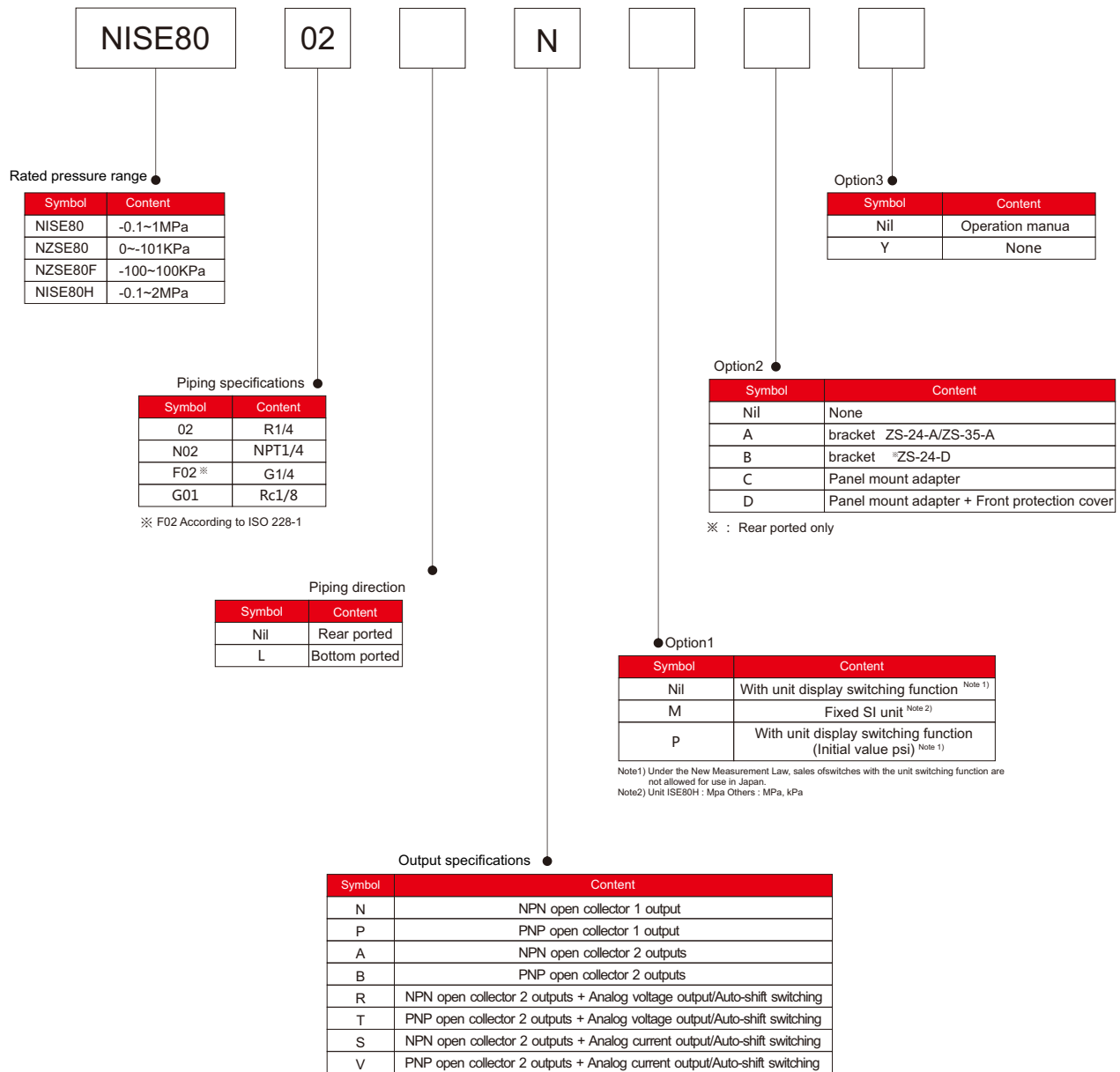
Option	Piping direction	Part no.
Bracket	Rear ported	10-ZS-24-A
	Rear ported	10-ZS-24-D
	Bottom ported	10-ZS-35-A
Panel mount	Rear ported	10-ZS-35-C
	Bottom ported	10-ZS-35-B
Panel mount + Front protection cover	Rear ported	10-ZS-35-F
	Bottom ported	10-ZS-35-E



Standard Specifications

Model		NISE80	NISE80H	NISE80	NISE80F
Rated pressure range		-0.1~1MPa	-0.1~2MPa	0~101KPa	-100~100KPa
Pressure display range/Set pressure range		-0.1~1.1MPa	-0.1~2.2MPa	10~~111KPa	-110~110KPa
Withstand pressure		2MPa	4MPa	500KPa	
Wetted parts material		Pressure sensor: Stainless steel 630, Fitting: Stainless steel 304			
Port size		Rc1/8(Piping direction: Rear/Bottom)			
Power supply voltage		12 to 24 VDC ±10%, Ripple (p-p) 10% or less (with power supply polarity protection)			
Current consumption		40 mA or less			
Switch output		NPN 1 output, NPN 2 outputs, PNP 1 output, PNP 2 outputs			
Maximum load current		80mA			
Maximum load voltage		28 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, 100, 500, 1000, 2000 ms)			
Short circuit protection		Yes			
Repeatability		±0.2% F.S. ±1 digit			
Hysteresis	Hysteresis mode	Variable (0 or above)			
	Window comparator mode				
Analog output	Output voltage _(Rated pressure range)	0.6~5V±2.5% F.S.	0.8~5V±2.5% F.S.	1~5V±2.5% F.S.	
	Linearit	0.6~5.4V			
	Output impedance	Approx. 1 kΩ			
	Output current _(Rated pressure range)	2.4~20mA±2.5% F.S.	3.2~20mA±2.5% F.S.	4~20mA±2.5% F.S.	
	Linearit	Maximum load impedance: 300 Ω (Power supply voltage 12 V) 600 Ω (Power supply voltage 24 V) Minimum load impedance: 50 Ω			
Load impedance		2.4~21.6mA			
Display		3 1/2-digit, 7-segment, 2-color LCD (Red/Green)			
Display accuracy		±2% F.S. ±1 digit (Ambient temperature of 25 ±3°C)			
Indicator light		Lights up when output is turned ON. OUT1, OUT2: Orange			
Enclosure		IP65			
Operating temperature range		Operating: 0 to 50°C, Stored: -10 to 60°C (No freezing or condensation)			
Operating humidity range		Operating/Stored: 35 to 85% RH (No condensation)			
Withstand voltage		250 VAC for 1 minute between terminals and housing			
Insulation resistance		2 MΩ or more (50 VDC measured via megohmmeter) between terminals and housing			
		100M / S 2 XYZ 3 times in each direction			
		10 ~ 150Hz, total amplitude 1.5mmxyz, 2 hours in each direction			
Temperature characteristics		±3% F.S. (25°C reference, within operating temperature range)			
Lead wire		Oilproof heavy-duty vinyl cable, 3 cores (N.P) 4 cores (A.B) 5 cores (R.T.S.V)		ø3.5, 2 m Conductor area: 0.15 mm2 (AWG26) Insulator O.D.: 0.95 mm	

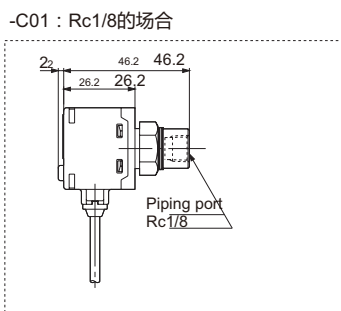
Standard Specifications



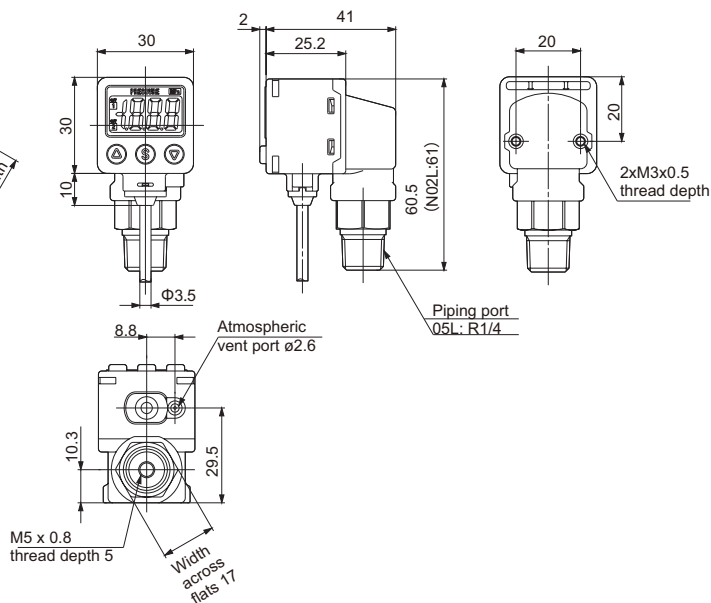
Option

Option	Piping direction	Part no.
ZS-24-A	Rear ported	Bracket
ZS-24-D		
ZS-35-A	Rear ported	Panel mount adapter
ZS-35-C	Bottom ported	
ZS-35-B	Rear ported	Panel mount adapter + Front protection cover
ZS-35-F	Bottom ported	
ZS-35-E	Rear ported	

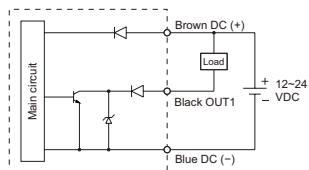
NZE/NISE8□□-02



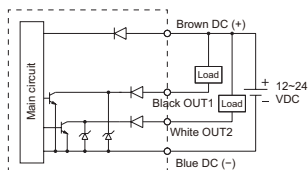
NZSE/NISE8□□-02L



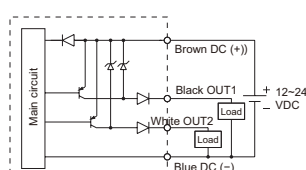
-N
NPN (1 output)



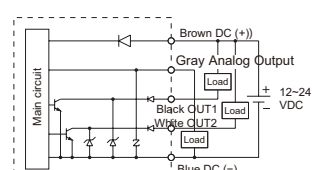
-A
NPN (2 outputs)



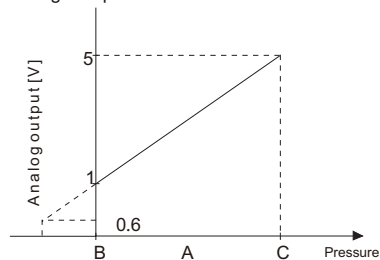
-B
PNP (2 outputs)



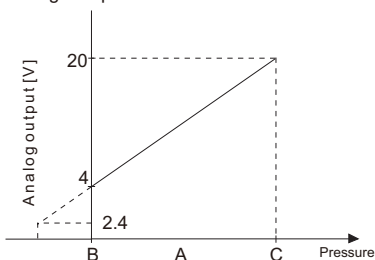
-S
NPN (2 outputs) + Auto-shift input



Voltage output



Voltage output



Range	Rated pressure range	A	B	C
For vacuum pressure	0.0~−101.0kPa	−10.1MPa	0	−101.0kPa
For compound pressure	−100.0~100.0kPa	−	−100.0kPa	100.0kPa
For positive pressure	−0.100~1.000MPa	−0.100MPa	0	1.000MPa
	−0.100~2.00MPa	−0.100MPa	0	2.00MPa

Note) Analog output is 0.8 [V] or 3.2 [mA] at the pressure A.