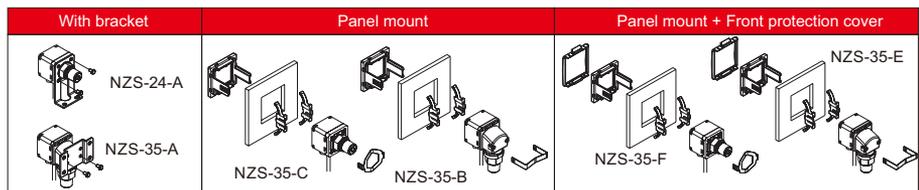


Option

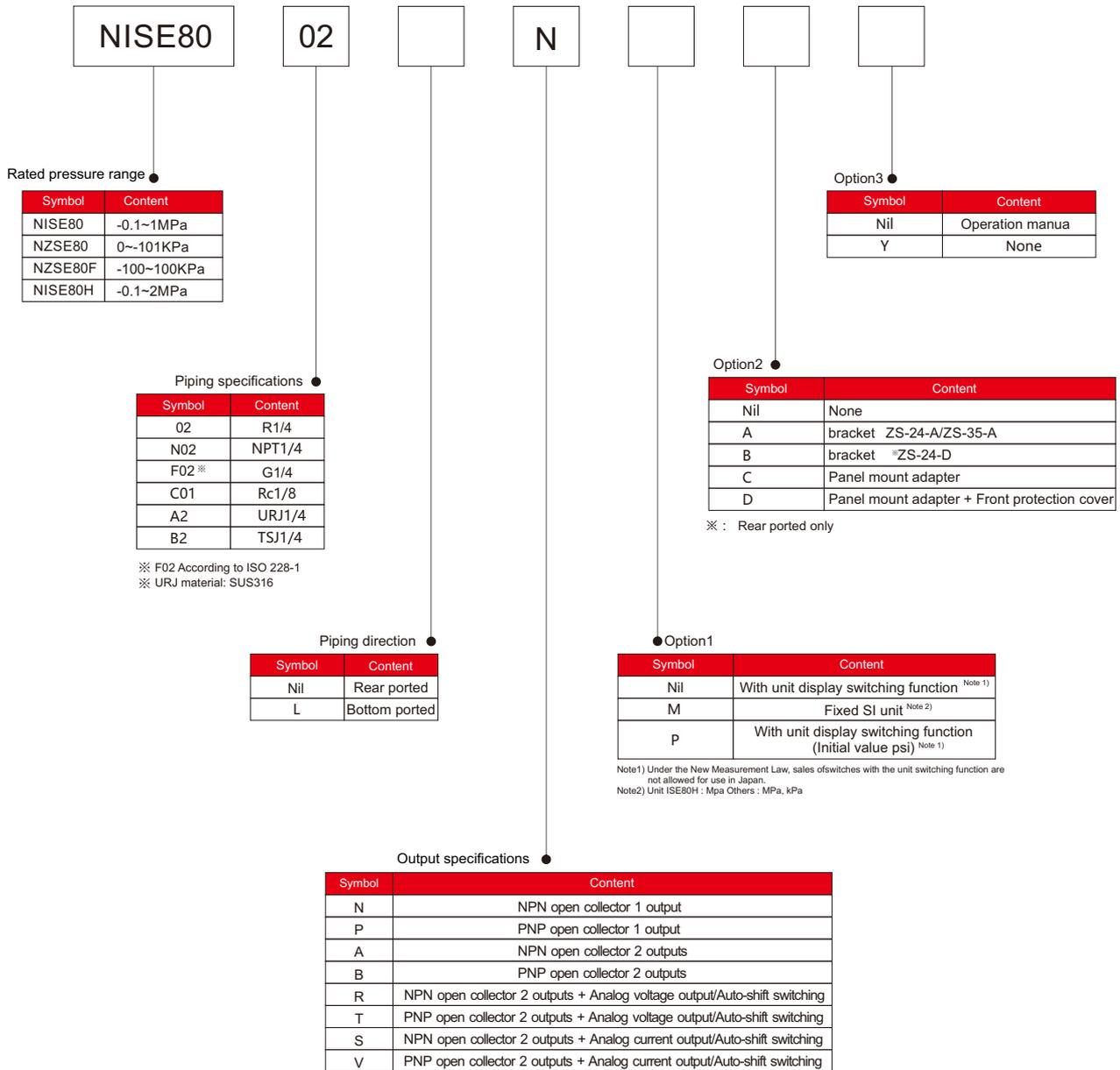
Option	Piping direction	Part no.
Bracket	Rear ported	10-ZS-24-A
	Rear ported	10-ZS-24-D
	Bottom ported	10-ZS-35-A
Panel mount	Rear ported	10-ZS-35-C
	Bottom ported	10-ZS-35-B
Panel mount + Front protection cover	Rear ported	10-ZS-35-F
	Bottom ported	10-ZS-35-E



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 $\pm 10\%$, 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	$\pm 0.2\%$ F.S. ± 1 digit			
Hysteresis	Hysteresis mode	Variable (0 or above)		
	Window comparator mode			
Analog output	Output voltage _(Rated pressure range)	0.6~5V $\pm 2.5\%$ F.S.	0.8~5V $\pm 2.5\%$ F.S.	1~5V $\pm 2.5\%$ F.S.
	Linearity	0.6~5.4V		
	Output impedance	Approx. 1 k Ω		
	Output current _(Rated pressure range)	2.4~20mA $\pm 2.5\%$ F.S.	3.2~20mA $\pm 2.5\%$ F.S.	4~20mA $\pm 2.5\%$ F.S.
	Load impedance	Maximum load impedance: 300 Ω (Power supply voltage 12 V) 600 Ω (Power supply voltage 24 V) Minimum load impedance: 50 Ω		
Display	3 1/2-digit, 7-segment, 2-color LCD (Red/Green)			
Display accuracy	$\pm 2\%$ F.S. ± 1 digit (Ambient temperature of 25 $\pm 3^\circ\text{C}$)			
Indicator light	Lights up when output is turned ON. OUT1, OUT2: Orange			
Enclosure	IP65			
Operating temperature range	Operating: 0 to 50 $^\circ\text{C}$, Stored: -10 to 60 $^\circ\text{C}$ (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 M Ω or more (50 VDC measured via megohmmeter) between terminals and housing			
Temperature characteristics	100M / S 2 XYZ 3 times in each direction			
	10 ~ 150Hz, total amplitude 1.5mmxyz, 2 hours in each direction			
Lead wire	$\pm 3\%$ F.S. (25 $^\circ\text{C}$ reference, within operating temperature range)			
	Oilproof heavy-duty vinyl cable, 3 cores (N.P) 4 cores (A.B) 5 cores (R.T.S.V)		$\phi 3.5$, 2 m Conductor area: 0.15 mm ² (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	

