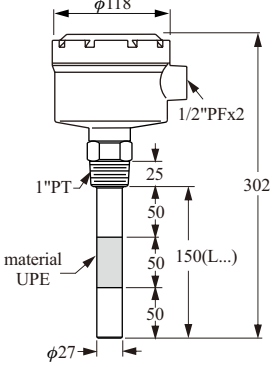
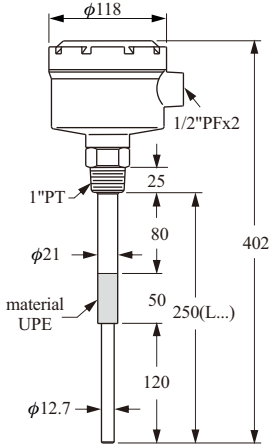
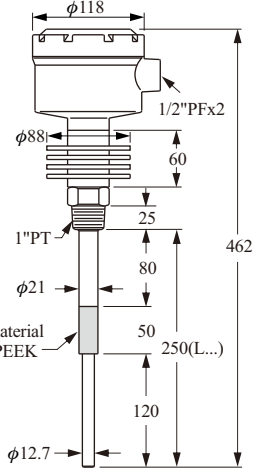


STANDARD MODEL

Dimensions			
Order No.	[STANDARD MODEL] SA110	[STANDARD MODEL] SA111	[HI-TEMP. MODEL] SA120
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~80°C	-20°C~200°C
Operation Pressure	20kg/cm ²	20kg/cm ²	20kg/cm ²
Prob material	SUS 304/316	SUS 304/316	SUS 304/316
Insulated material	UPE	UPE	PEEK
Connection	1"PT Screw (SUS)	1"PT Screw (SUS)	1"PT Screw (SUS)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 1.9kg	Approx. 1.9kg	Approx. 2.4kg
Housing	Aluminum IP65		
Supply voltage	110/220Vac±10% or 19~24Vdc		
Delay time	0~6 sec		
Power consumption	2W		
Output rating	Relay: 5A/250Vac/30Vdc, NPN 100mA		

Dimensions			
Order No.	[SUPER HI-TEMP. MODEL] SA128	[CORROSION-PROOF MODEL] SA130	[CORROSION-PROOF MODEL] SA132
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~800°C	-20°C~80°C	-20°C~120°C
Operation Pressure	ATM	20kg/cm ²	20kg/cm ²
Prob material	SUS 304/316	SUS 304 Coating PP	SUS304 Coating PVDF
Insulated material	CERAMIC	UPE	UPE
Connection	2-1/ 2"x5kg/cm ² Flange(SUS)	1-1/2"x10kg/cm ² Flange(PP)	1-1/2"x10kg/cm ² Flange(SUS) (5mm PVDF)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 6.5kg	Approx. 2kg	—————
Housing	Aluminum IP65		
Supply voltage	110/220Vac± 10% or 19~24Vdc		
Delay time	0~6 sec		
Power consumption	2W		
Output rating	Relay: 5A/250Vac/30Vdc,NPN 100mA		

Dimensions			
Order No.	[REMOTE PROBE MODEL] SA140	[WIRE-PROBE MODEL] SA150	[PLATE MODEL] SA160
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~80°C	-20°C~80°C
Operation Pressure	20kg/cm ²	20kg/cm ²	20kg/cm ²
Prob material	SUS 304/316	SUS 304/316 cable	SUS 304/316
Insulated material	UPE	UPE	UPE
Connection	1"PT Screw (SUS)	1"PT Screw (SUS)	2-1/2"x 5kg/cm ² Flange(SUS)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 3kg	Approx. 4.1kg	Approx. 3.2kg
Housing	Aluminum IP65		
Supply voltage	110/220Vac ± 10% or 24Vdc ± 20%	110/220Vac ± 10% or 19~24Vdc	
Delay time	0~8 sec	0~6 sec	
Power consumption	2W		
Output rating	Relay: 5A/250Vac/30Vdc,NPN 100mA		

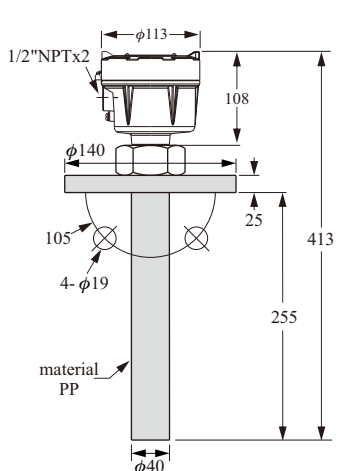
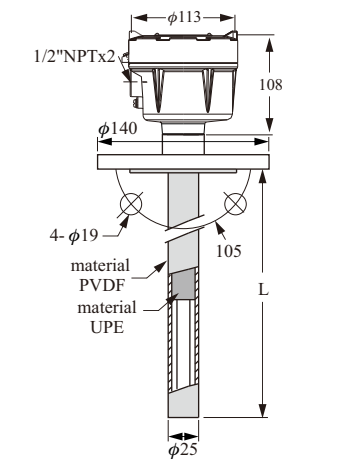
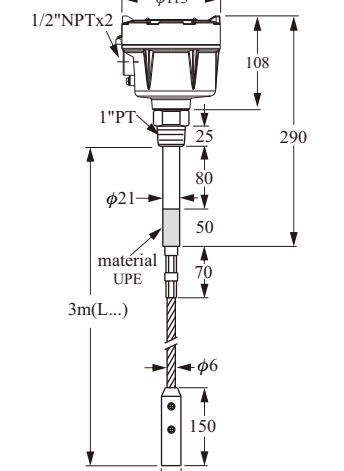
Dimensions		
Order No.	[ANTI-STATIC MODEL] SA180	[HI-TEMP. ANTI-STATIC MODEL] SA181
Ambient temp.	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~200°C
Operation Pressure	20kg/cm ²	20kg/cm ²
Prob material	UPE Coating	PTFE Coating
Insulated material	UPE	PTFE
Connection	1"PT Screw (SUS)	
Sensitivity range	14.6pF (std.)	
Weight	Approx. 2kg	Approx. 2.5kg
Housing	Aluminum IP65	
Supply voltage	110/220Vac ± 10% or 19~24Vdc	
Delay time	0~6 sec	
Power consumption	2W	
Output rating	Relay: 5A/250Vac/30Vdc, NPN 100mA	

EXPLOSION PROOF MODEL

NEPSI Ex d/ia IIC T3~T6 Gb/Ga
DIP A20/A21 T_A, T3~T6



Dimensions			
Order No.	[STANDARD MODEL] SA270	[STANDARD MODEL] SA271	[HI-TEMP. MODEL] SA272
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~80°C	-20°C~200°C
Operating pressure	20kg/cm ²	20kg/cm ²	20kg/cm ²
Probe material	SUS 304/316	SUS 304/316	SUS 304/316
Insulated material	UPE	UPE	PEEK
Connection	1"PT Screw (SUS)	1"PT Screw (SUS)	1"PT Screw (SUS)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 1.9kg	Approx. 2.4kg	Approx. 4.1kg
Housing spec.	Aluminum IP65		
Supply voltage	110/220Vac ± 10% or 24Vdc ± 20%		
Enclosure protection	Ex d/ia IIC T3~T6 Gb/Ga, DIP A20/A21 T _A , T3~T6		
Power consumption	2W		
Output contact rating	Relay: 5A/250Vac/28Vdc		
	3 wire NPN output, max. load current 400mA		
	3 wire PNP output, max. load current 400mA		
	4 wire NPN/PNP output, max. 400mA/60Vdc		

Dimensions			
Order No.	[CORROSION-PROOF MODEL] SA273	[CORROSION-PROOF MODEL] SA274	[WIRE-PROBE MODEL] SA275
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~120°C	-20°C~80°C
Operating pressure	20kg/cm ²	20kg/cm ²	20kg/cm ²
Probe material	SUS 304/316(PP Coating)	SUS 304/316(PVDF Coating)	SUS 304/316 Cable
Insulated material	UPE	UPE	UPE
Connection	1-1/2"x10kg/cm ² (PP)	1-1/2"x10kg/cm ² (SUS) W / 5mm PVDF Cushion	1"PT Screw (SUS)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 1.9kg	Approx. 2.4kg	Approx. 4.1kg
Housing spec.	Aluminum IP65		
Supply voltage	110/220Vac ± 10% or 24Vdc ± 20%		
Enclosure protection	Ex d/ia IIC T3~T6 Gb/Ga, DIP A20/A21 T _A , T3~T6		
Power consumption	2W		
Output contact rating	Relay: 5A/250Vac/28Vdc		
	3 wire NPN output, max. load current 400mA		
	3 wire PNP output, max. load current 400mA		
	4 wire NPN/PNP output, max. 400mA/60Vdc		

Dimensions			
Order No.	[PLATE MODEL] SA276	[HI-TEMP. ANTI-STATIC MODEL] SA277	[ANTI-STATIC MODEL] SA278
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~200°C	-20°C~80°C
Operating pressure	20kg/cm ²	20kg/cm ²	20kg/cm ²
Probe material	SUS 304/316	PTFE Coating	UPE Coating
Insulated material	UPE	PTFE	UPE
Connection	2-1/2"x 5kg/cm ² Flange (SUS)	1"PT Screw (SUS)	1"PT Screw (SUS)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 3.2kg	Approx. 3.1kg	Approx. 2kg
Housing spec.	Aluminum IP65		
Supply voltage	110/220Vac ± 10% or 24Vdc ± 20%		
Enclosure protection	Ex d/ia IIC T3~T6 Gb/Ga, DIP A20/A21 T _A , T3~T6		
Power consumption	2W		
Output contact rating	Relay: 5A/250Vac/28Vdc		
	3 wire NPN output, max. load current 400mA		
	3 wire PNP output, max. load current 400mA		
	4 wire NPN/PNP output, max. 400mA/60Vdc		

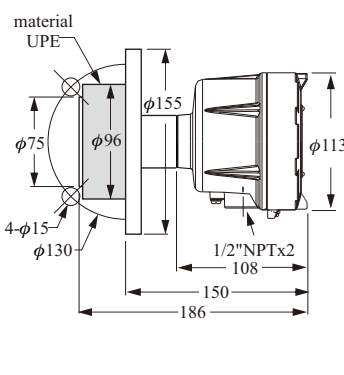
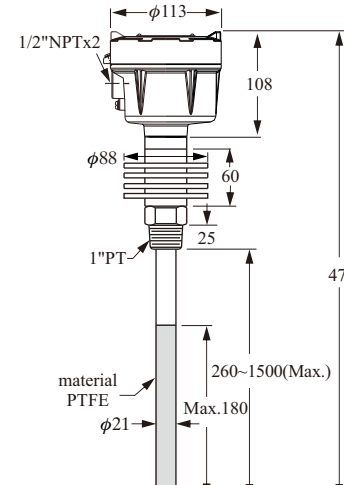
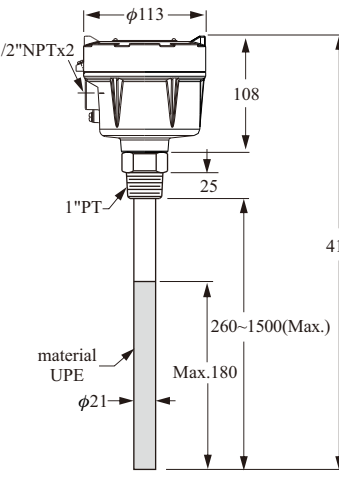
INTRINSICALLY SAFE MODEL

NEPSI Ex ia IIC T3/T4 Ga



Dimensions			
Order No.	[STANDARD MODEL] SA370(WITH SA-75U)	[STANDARD MODEL] SA371(WITH SA-75U)	[HI-TEMP. MODEL] SA372(WITH SA-75U)
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~80°C	-20°C~200°C
Operation Pressure	20kg/cm ²	20kg/cm ²	20kg/cm ²
Prob material	SUS 304/316	SUS 304/316	SUS 304/316
Insulated material	UPE	UPE	PEEK
Connection	1"PT Screw (SUS)	1"PT Screw (SUS)	1"PT Screw(SUS)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 1.9kg	Approx. 2.4kg	Approx. 2.4kg
Housing spec.	Aluminum IP65		
Supply voltage	16~24Vdc		
Enclosure protection	Ex ia IIC T3/T4 Ga		
Power consumption	2W		
Output rating	NPN 100mA		

<p>Dimensions</p>			
<p>Order No.</p>	<p>[CORROSION-PROOF MODEL] SA373(WITH SA-75U)</p>	<p>[CORROSION-PROOF MODEL] SA374(WITH SA-75U)</p>	<p>[WIRE-PROBE MODEL] SA375(WITH SA-75U)</p>
<p>Ambient temp.</p>	<p>-20°C~60°C</p>	<p>-20°C~60°C</p>	<p>-20°C~60°C</p>
<p>Operating temp.</p>	<p>-20°C~80°C</p>	<p>-20°C~120°C</p>	<p>-20°C~80°C</p>
<p>Operation Pressure</p>	<p>20kg/cm²</p>	<p>20kg/cm²</p>	<p>20kg/cm²</p>
<p>Prob material</p>	<p>SUS 304/316(PP Coating)</p>	<p>SUS 304/316(PVDF Coating)</p>	<p>SUS 304/316 Cable</p>
<p>Insulated material</p>	<p>PTFE or UPE</p>	<p>UPE</p>	<p>UPE</p>
<p>Connection</p>	<p>1-1/2"x10kg/cm² (PP)</p>	<p>1-1/2"x10kg/cm² (SUS) W / 5 mm PVDF Cushion</p>	<p>1"PT Screw (SUS)</p>
<p>Sensitivity range</p>	<p>14.6pF (std.)</p>		
<p>Weight</p>	<p>Approx. 1.9kg</p>	<p>—————</p>	<p>Approx. 4.1kg</p>
<p>Housing spec.</p>	<p>Aluminum IP65</p>		
<p>Supply voltage</p>	<p>16~24Vdc</p>		
<p>Enclosure protection</p>	<p>Ex ia IIC T3/T4 Ga</p>		
<p>Power consumption</p>	<p>2W</p>		
<p>Output rating</p>	<p>NPN 100mA</p>		

Dimensions			
Order No.	[PLATE MODEL] SA376(WITH SA-75U)	[HI-TEMP. ANSI-STATIC MODEL] SA377(WITH SA-75U)	[ANTI-STATIC MODEL] SA378(WITH SA-75U)
Ambient temp.	-20°C~60°C	-20°C~60°C	-20°C~60°C
Operating temp.	-20°C~80°C	-20°C~200°C	-20°C~80°C
Operation Pressure	20kg/cm ²	20kg/cm ²	20kg/cm ²
Prob material	SUS 304/316	PTFE Coating	UPE Coating
Insulated material	UPE	PTFE	UPE
Connection	2-1/2"x 5kg/cm ² Flange (SUS)	1"PT Screw (SUS)	1"PT Screw (SUS)
Sensitivity range	14.6pF (std.)		
Weight	Approx. 3.2kg	Approx. 3.1kg	Approx. 2kg
Housing spec.	Aluminum IP65		
Supply voltage	16~24Vdc		
Enclosure protection	Ex ia IIC T3/T4 Ga		
Power consumption	2W		
Output rating	NPN 100mA		

ORDER INFORMATION

SAX1 ⑤ ⑥ ⑦ ⑧ - ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕

- ⑤⑥ Model
- 00: Standard
 - 02: Hi-temperature
 - 04: Remote probe
 - 08: Super Hi-temperature

- ⑦⑧ Certification
- 00: None
 - 7B: NEPSI-Ex ia
 - 7C: NEPSI-Ex d

- ⑨ Type
- A: ϕ 27 Standard type
 - B: ϕ 12.7 Standard type
 - C: Hi-temperature type
 - D: Corrosion probe standard type
 - E: Corrosion probe Hi-temperature type
 - F: Wire probe type
 - G: Plate type
 - H: Anti-Static type

- ⑩ Power supply
- A : AC110V/220V
 - B : DC24V
 - C : DC16~24V(NEPSI-Ex ia Only)

Connection

- | | | |
|---|---|--|
| <p>⑪⑫</p> <p>Flange item</p> <p>AK: JIS-FF</p> <p>AN: ANSI-RF</p> <p>AS: DIN-FF</p> <p>Thread item</p> <p>AC: ANSI</p> <p>AA: JIS</p> | <p>⑬⑭</p> <p>A7: 3/4"</p> <p>A8: 1"</p> <p>B1: 1-1/2"</p> <p>B2: 2"</p> <p>B4: 2-1/2"</p> <p>D7: DN20</p> <p>D8: DN25</p> <p>D9: DN32</p> <p>E1: DN40</p> <p>E2: DN50</p> <p>E3: DN65</p> | <p>⑮⑯</p> <p>01: PT male</p> <p>03: PF male</p> <p>07: NPT male</p> <p>40: 5 kg/cm²</p> <p>42: 10 kg/cm²</p> <p>48: 150 Lbs</p> <p>49: 300 Lbs</p> <p>57: PN10</p> <p>58: PN16</p> |
|---|---|--|

(Next page)



⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑲⑳㉑㉒㉓㉔㉕
SAX1 -

⑰ Output signal
 R: Relay
 P: PNP
 N: NPN
 M: MOS
 (Ex ia only NPN optional)

⑱ ⑲ Probe material
 MA: SUS 304
 MB: SUS 316
 18: PP coating
 21: PTFE coating
 24: PVDF coating
 33: UPE coating

⑳ ㉑ Insulated material
 00: None
 13: PEEK
 32: Ceramics
 33: UPE

㉒ ㉓ ㉔ ㉕ Length

Code	Probe Length
0036~3000	0036~3000mm