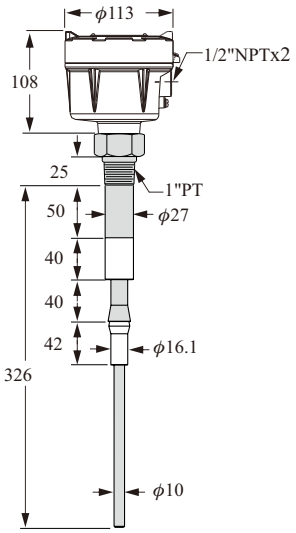
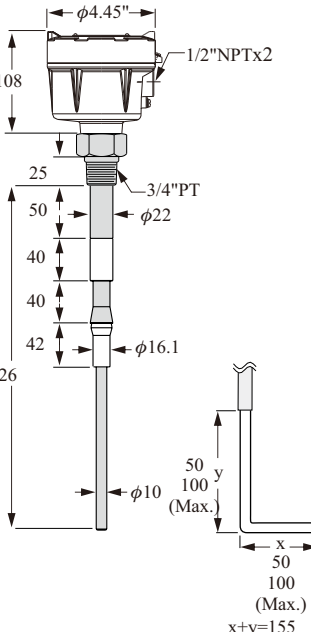
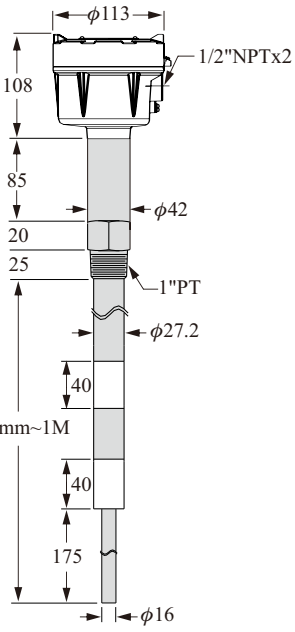
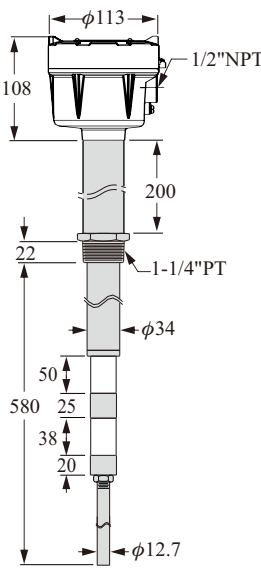
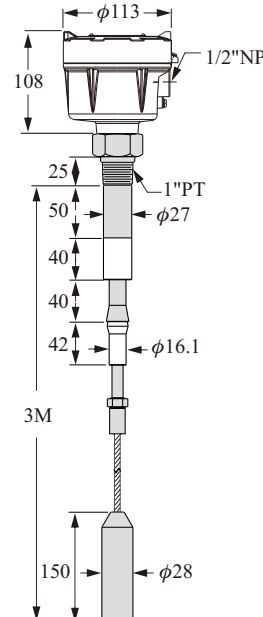
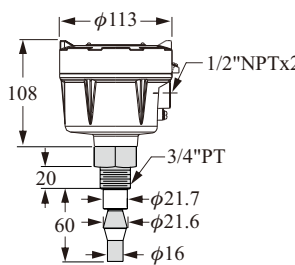


# SPECIFICATIONS

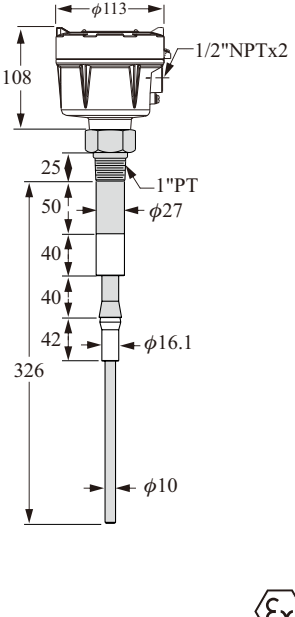
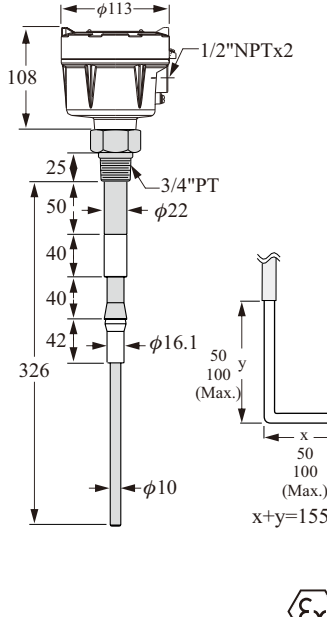
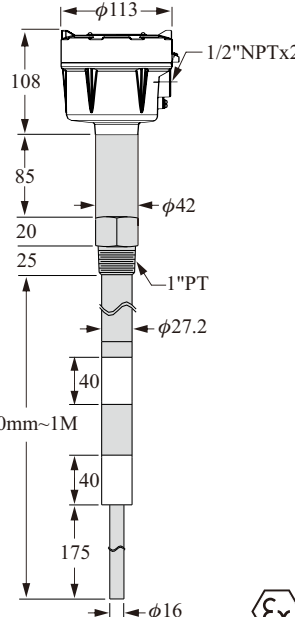
Dimension (Unit:mm)			
<b>Order No.</b>	<b>SB2100 [Standard Model]</b>	<b>SB2110 [Standard Model] SB2120 [Standard L Model]</b>	<b>SB2200 [Hi-Temp Model]</b>
<b>Operating temp.</b>	-40°C~150°C	-40°C~150°C	-40°C~232°C
<b>Ambient temp.</b>	-40°C~70°C	-40°C~70°C	-40°C~70°C
<b>Housing</b>	Aluminum (IP65)	Aluminum (IP65)	Aluminum (IP65)
<b>Probe material</b>	SUS304 or 316	SUS304 or 316	SUS304 or 316
<b>Insulated material</b>	PTFE	PTFE	PEEK
<b>Connection</b>	1" PT	3/4" PT	1" PT
<b>Sensitivity</b>	0.3PF	0.3PF	0.3PF
<b>Supply voltage</b>	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz
<b>Power consumption</b>	Max.2W	Max.2W	Max.2W
<b>Contact rating</b>	5A/250Vac, DPDT	5A/250Vac, DPDT	5A/250Vac, DPDT
<b>Delay time</b>	0~30 sec	0~30 sec	0~30 sec
<b>Fail safe mode</b>	High / low Fail safe mode	High / low Fail safe mode	High / low Fail safe mode
<b>Conduit</b>	1/2" NPT x2 hole	1/2" NPT x2 hole	1/2" NPT x2 hole
<b>Operation pressure</b>	20kg/cm <sup>2</sup>	20kg/cm <sup>2</sup>	20kg/cm <sup>2</sup>

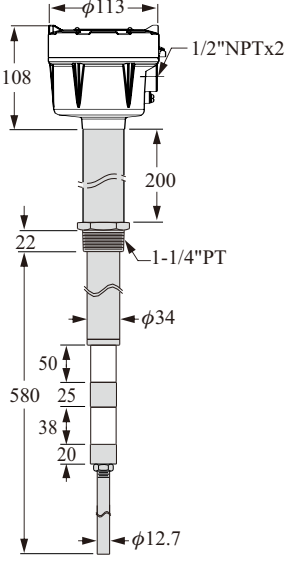
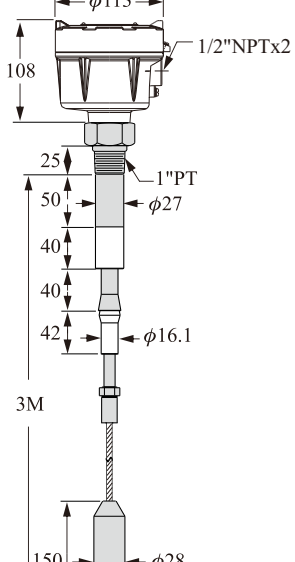
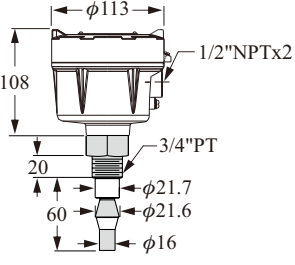
Dimension (Unit:mm)			
<b>Order No.</b>	SB2280 [Super Hi-Temp Model]	SB2500 [Cable Model]	SB2600 [Mini Model]
<b>Operating temp.</b>	-40°C~550°C	-40°C~150°C	-40°C~150°C
<b>Ambient temp.</b>	-40°C~70°C	-40°C~70°C	-40°C~70°C
<b>Housing</b>	Aluminum (IP65)	Aluminum (IP65)	Aluminum (IP65)
<b>Probe material</b>	SUS304 or 316	SUS304 or 316	SUS304 or 316
<b>Insulated material</b>	Ceramic	PTFE	PTFE
<b>Connection</b>	1-1/4" PT	1" PT	3/4" PT
<b>Sensitivity</b>	0.3PF	0.3PF	0.3PF
<b>Supply voltage</b>	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz
<b>Power Consumption</b>	Max.2W	Max.2W	Max.2W
<b>Contact rating</b>	5A/250Vac, DPDT	5A/250Vac, DPDT	5A/250Vac, DPDT
<b>Delay time</b>	0~30 sec	0~30 sec	0~30 sec
<b>Fail safe mode</b>	High / low Fail safe mode	High / low Fail safe mode	High / low Fail safe mode
<b>Conduit</b>	1/2" NPT x2 hole	1/2" NPT x2 hole	1/2" NPT x2 hole
<b>Operation pressure</b>	ATM	20kg/cm <sup>2</sup>	20kg/cm <sup>2</sup>

# SPECIFICATION

PTB PROOF NO. 09 ATEX 1057  $\text{Ex d IIB T6-T1}$

$\text{Ex II 2D Ex tD A21 IP65 T445°C-T80°C}$

Dimension (Unit:mm)			
<b>Order No.</b>	<b>SB1710 [Standard Model]</b>	<b>SB1711 [Standard Model] SB1712 [Standard L Model]</b>	<b>SB1720 [Hi-Temp Model]</b>
<b>Operating temp.</b>	-40°C~150°C	-40°C~150°C	-40°C~232°C
<b>Ambient temp.</b>	-20°C~70°C	-20°C~70°C	-20°C~70°C
<b>Housing</b>	Aluminum (IP65)	Aluminum (IP65)	Aluminum (IP65)
<b>Probe material</b>	SUS304 or 316	SUS304 or 316	SUS304 or 316
<b>Insulated material</b>	PTFE	PTFE	PEEK
<b>Connection</b>	1" PT	3/4" PT	1" PT
<b>Sensitivity</b>	0.3PF	0.3PF	0.3PF
<b>Supply voltage</b>	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz
<b>Power consumption</b>	Max.2W	Max.2W	Max.2W
<b>Contact rating</b>	3A/250Vac, DPDT	3A/250Vac, DPDT	3A/250Vac, DPDT
<b>Delay time</b>	0~30 sec	0~30 sec	0~30 sec
<b>Fail safe mode</b>	High / low Fail safe mode	High / low Fail safe mode	High / low Fail safe mode
<b>Conduit</b>	1/2" NPT x2 hole	1/2" NPT x2 hole	1/2" NPT x2 hole
<b>Operation pressure</b>	20kg/cm <sup>2</sup>	20kg/cm <sup>2</sup>	20kg/cm <sup>2</sup>

<b>Dimension (Unit:mm)</b>			
<b>Order No.</b>	<b>SB1728 [Super Hi-Temp Model]</b>	<b>SB1750 [Cable Model]</b>	<b>SB1760 [Mini Model]</b>
<b>Operating temp.</b>	-40°C~450°C	-40°C~150°C	-40°C~150°C
<b>Ambient temp.</b>	-20°C~70°C	-20°C~70°C	-20°C~70°C
<b>Housing</b>	Aluminum (IP65)	Aluminum (IP65)	Aluminum (IP65)
<b>Probe material</b>	SUS304 or 316	SUS304 or 316	SUS304 or 316
<b>Insulated material</b>	Ceramic	PTFE	PTFE
<b>Connection</b>	1-1/4" PT	1" PT	3/4" PT
<b>Sensitivity</b>	0.3PF	0.3PF	0.3PF
<b>Supply voltage</b>	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz	24Vdc ± 20% or 115/230Vac ± 10%, 50/60Hz
<b>Power consumption</b>	Max.2W	Max.2W	Max.2W
<b>Contact rating</b>	3A/250Vac, DPDT	3A/250Vac, DPDT	3A/250Vac, DPDT
<b>Delay time</b>	0~30 sec	0~30 sec	0~30 sec
<b>Fail safe mode</b>	High / low Fail safe mode	High / low Fail safe mode	High / low Fail safe mode
<b>Conduit</b>	1/2" NPT x2 hole	1/2" NPT x2 hole	1/2" NPT x2 hole
<b>Operation pressure</b>	ATM	20kg/cm <sup>2</sup>	20kg/cm <sup>2</sup>

# ORDER INFORMATION

**SBX1** <sup>05</sup> <sup>06</sup> <sup>07</sup> <sup>08</sup> - <sup>09</sup> <sup>10</sup> <sup>11</sup> <sup>12</sup> <sup>13</sup> <sup>14</sup> <sup>15</sup> <sup>16</sup> <sup>17</sup> <sup>18</sup> <sup>19</sup> <sup>20</sup> <sup>21</sup> <sup>22</sup> <sup>23</sup> <sup>24</sup>

<sup>05</sup> <sup>06</sup> Model  
 00: Standard  
 02: Hi-temperation  
 08: Suppr Hi-temperation

<sup>07</sup> <sup>08</sup> Certification  
 00: None  
 1C: ATEX-Exd

<sup>09</sup> Type  
 A:  $\phi 27 + 1$ "PT Standard type  
 B:  $\phi 22 + 3/4$ "PT Standard type  
 C: Hi-temperation type  
 D: Standard L type  
 E: Wire probe type  
 F: Mini type

<sup>10</sup> Power supply  
 A : AC115V/230VAC  $\pm 10\%$ , 50/60 Hz(Analog alarm function)  
 B : 24VDC  $\pm 20\%$ , 50/60 Hz(Analog alarm function)  
 C : AC115/230VAC  $\pm 10\%$ , 50/60 Hz  
 D : 24VDC  $\pm 20\%$

Connection

<sup>11</sup> <sup>12</sup>	<sup>13</sup> <sup>14</sup>	<sup>15</sup> <sup>16</sup>
Flang item	A7: 3/4"	01: PT male
AK: JIS-FF	A8: 1"	03: PF male
AN: ANSI-RF	B1: 1-1/2"	07: NPT male
AS: DIN-FF	B2: 2"	40: 5 kg/cm <sup>2</sup>
	B4: 2-1/2"	42: 10 kg/cm <sup>2</sup>
Thread item	D7: DN20	48: 150 Lbs
AC: ANSI	D8: DN25	49: 300 Lbs
AA: JIS	D9: DN32	57: PN10
	E1: DN40	58: PN16
	E2: DN50	
	E3: DN65	

(Next page)

# ORDER INFORMATION



05
06
07
08
09
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

**SBX1**     -

⑰⑱ Probe material

- MA: SUS 304
- MB: SUS 316
- MC: SUS 316L

⑲⑳ Insulated material

- 13: PEEK
- 21: PTFE
- 32: Ceramics

㉑㉒㉓㉔ Length

Code	Probe Length
0060~3000	0060~3000mm