



SJ MTB



**BI METALLIC
THERMOMETER
(UNDER SPECS)**

Bimetallic thermometer (customized)

Model : MTB

Product Description

- Multiple accessories and sizes can be selected
- Select from multiple connection locations
- Available for the dyeing, drying, and food industries as well as steam boilers, air conditioning equipment, etc.



Fig. left: bottom mount (BS)
Fig. middle: back mount (BL)
Fig. right: adjustable angle (BA)

Product Specification

Connection location

Bottom mount (BS),
back mount (BL),
adjustable angle (BA)

Nominal size

2.5", 3", 4", 5", 6" (BS)
1", 1.5", 1.6", 2", 2.5", 3", 4",
5", 6" (BL)
2", 2.5", 3", 4", 5", 6" (BA)

Scale ranges

-50°C ... 600°C

Accuracy

CL 1.0

Process connection

304 SS
1/8", 1/4", 3/8", 1/2", 3/4", 1"
PT, G, NPT, M

Connection designs

Male thread, plain stem,
compression fitting (sliding on
stem), union nut and loose threaded
connection, male nut, union nut,
sanitary tri-clamp, metallic sheet
with dual hole, flange on stem

Product Specification

Stem

304 SS (standard), 316 SS

Length:

Above 50 mm (without thread) can
be customized

Diameter: 4, 6, 6.3, 8, 9.5, 12 mm

Case/Ring

304 SS

Window

Glass

Dial

Aluminum alloy, black scale on white

Pointer

Black aluminum alloy

Filling liquid

Without, glycerine

Accessories (options)

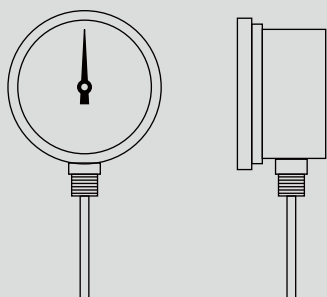
Adjustment nut, thermowell,
adjustable set pointer

Protection

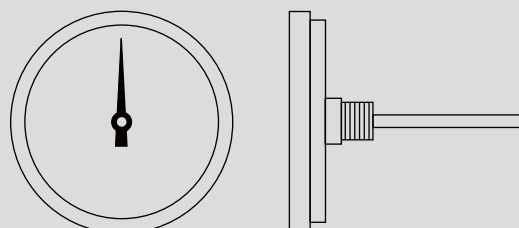
IP 67

Connection Location

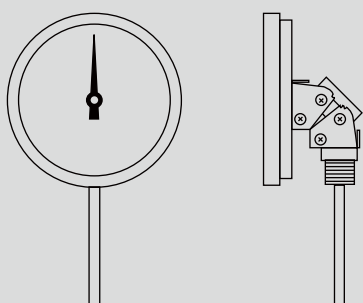
BS-Bottom mount



BL-Back mount



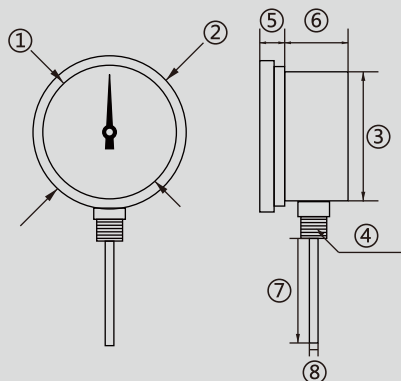
BA-Adjustable angle



Connection location			
NS	BS	BL	BA
1"	-	V	-
1.5"	-	V	-
1.6"	-	V	-
2"	-	V	V
2.5"	V	V	V
3"	V	V	V
4"	V	V	V
5"	V	V	V
6"	V	V	V

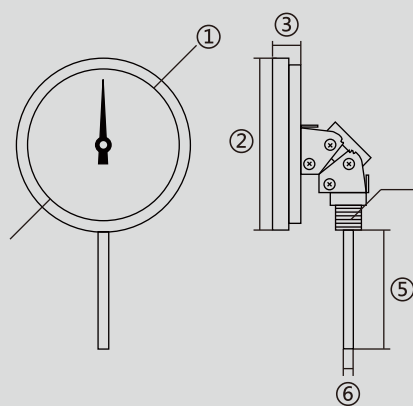
Dimensions

BS-Bottom mount



Dimensions (mm)								
NS	①	②	③	④	⑤	⑥	⑦	⑧
2.5"	56	69	63	1/4"	14	35	150	6.3
3"	70	84	75	1/4"	12	47	150	6.3
4"	98	115	101	1/4"	17	52	150	6.3
5"	113.5	130	117	1/2"	13.5	51	150	6.3
6"	140	260	148	1/2"	17	48	150	6.3

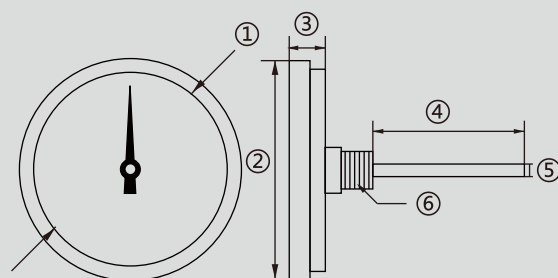
BA-Adjustable angle



Dimensions (mm)						
NS	①	②	③	④	⑤	⑥
2"	44	51	11	1/4"	150	6.3
2.5"	55	65	18	1/4"	150	6.3
3"	70	80	17.5	1/4"	150	6.3
4"	101	118	21	1/4"	150	6.3
5"	113.5	130	21	1/2"	150	6.3
6"	240	160	25	1/2"	150	6.3

Dimensions

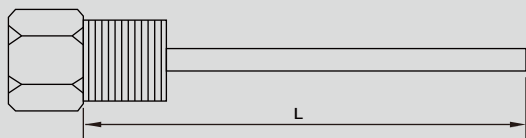
BL-Back mount



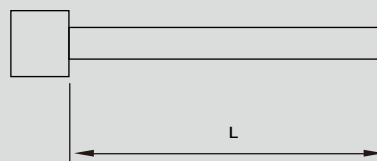
Dimensions (mm)						
NS	①	②	③	④	⑤	⑥
1"	22	26	9	150	4	1/8"
1.5"	26.5	35	11.5	150	4	1/8"
1.6"	32	40	12	150	4	1/8"
2"	44	51	11	150	6.3	1/4"
2.5"	55	65	18	150	6.3	1/4"
3"	70	80	20	250	6.3	1/4"
4"	101	118	21	150	6.3	1/2"
5"	113.5	130	21	150	6.3	1/2"
6"	140	160	25	150	6.3	1/2"

Connection Design

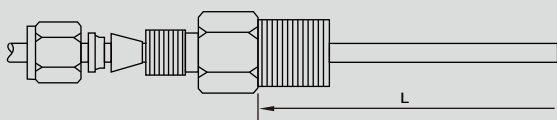
Male thread



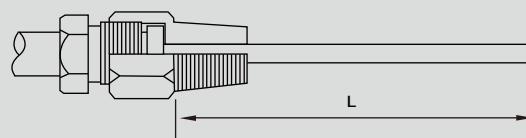
Plain stem



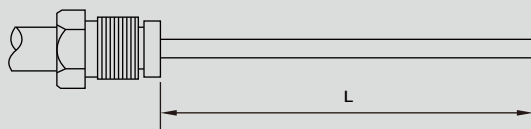
Compression fitting (sliding on stem)



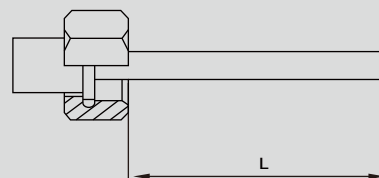
Union nut and loose threaded connection



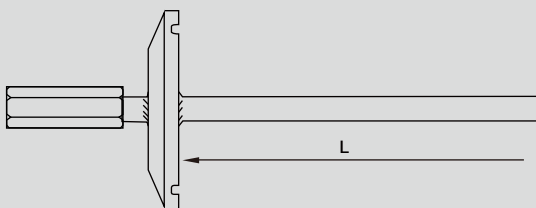
Male nut



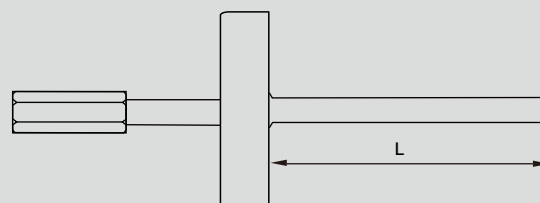
Union nut



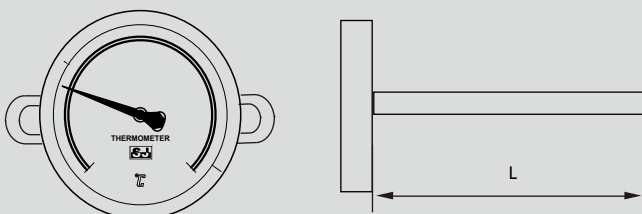
Sanitary tri-clamp



Flange on stem



Metallic sheet with dual hole



※ Ordering information

Model / Connection location / Nominal size / Scale range / Process connection /
Connection design / Stem / Filling liquid / Accessories / Options

For any changes to the specifications of this catalogue, the latest version shall prevail.

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