



**SJ MTG /
MTG-E**

**TERMÓMETRO
ACTIVADO
POR
GAS**



Gas-actuated Thermometer: with/without Electrical Contact

Model : MTG/MTG-E

Product Description

- Fast measuring reaction
- Measuring range can be adjusted up to 600°C
- Used in chemical and petrochemical industries, etc.



Fig. left: MTG-E (with electrical contacts)
Fig. right: MTG

Product Specification

Connection location

Bottom mount, back mount,
adjustable angle

Nominal size

MTG: 2.5", 3", 4", 5", 6"

MTG-E: 3", 4", 6"

Scale ranges

-50°C ... 600°C

Accuracy

CL 1.0

Process connection

304 SS

1/4", 3/8", 1/2", 3/4"

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, flange on stem

Stem

304 SS (standard), 316 SS

Length:

Above 50 mm (without thread) can
be customized

Diameter: 6.35, 8, 9.5, 10, 12 mm

Case/Ring

304 SS

Product Specification

Window

Glass (MTG), acrylic (MTG-E)

Dial

Aluminum alloy, black scale on white

Pointer

Black aluminum alloy

Accessories (options)

Thermowell

Protection level

IP 67

Contact

Type:

Single contact N.O.

Single contact N.C.

Double contacts N.O.

Double contacts N.O. + N.C.

Double contacts N.C.

Electrical contact specifications

Rated voltage: 250 V (Max.)

Contact capacity: 30 W ~ 50 VA (Max.)

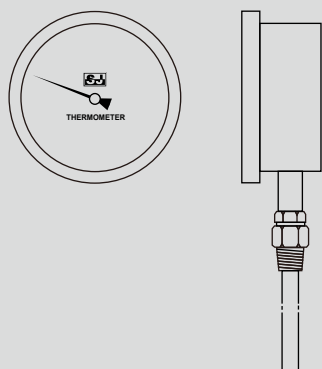
Starting current: 1.0 A (Max.)

Breaking current: 1.0 A (Max.)

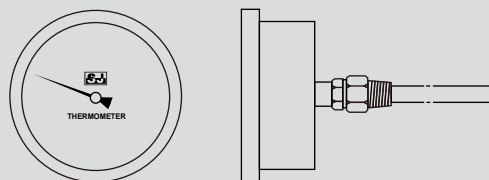
Persistent current: 0.6 A (Max.)

Connection Location

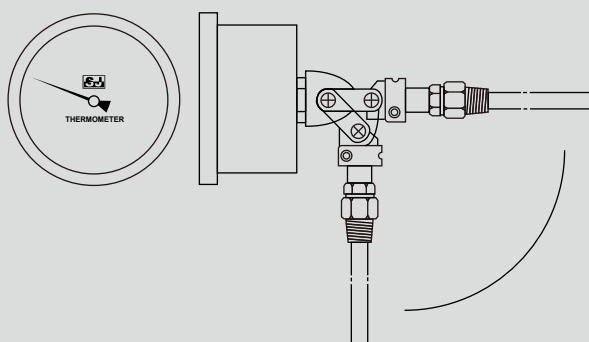
BS-Bottom mount



BL-Back mount



BA-Adjustable angle

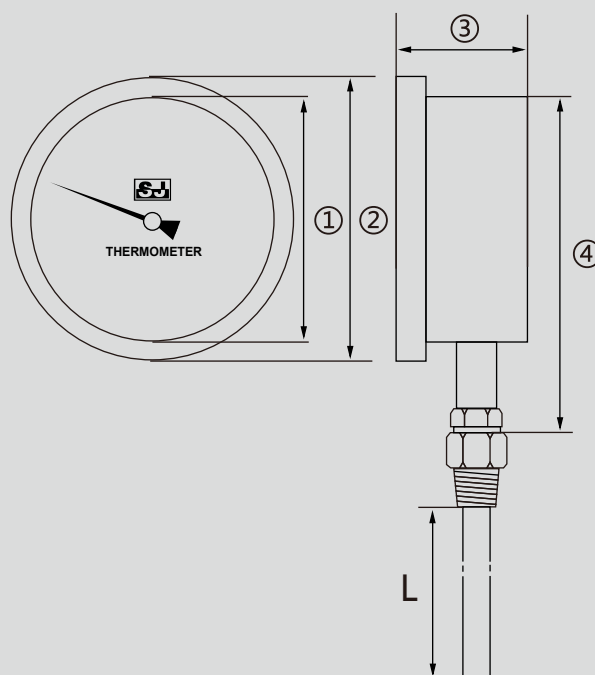


Connection location			
NS	BS	BL	BA
2.5"	V	V	V
*3"	V	V	V
*4"	V	V	V
5"	V	V	V
*6"	V	V	V

* Note: only 3", 4", 6" can be mounted with electrical contacts (MTG-E).

Dimensions

BS-Bottom mount



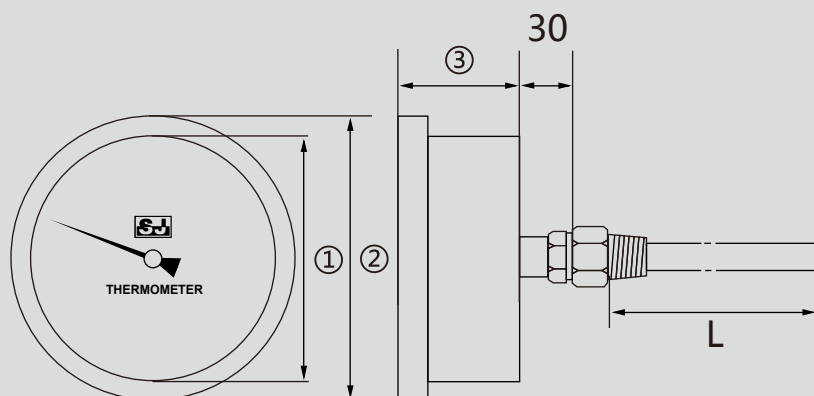
Dimensions (mm)				
NS	①	②	③	④
2.5"	55	64	40	90
3"	70	85	47	106
4"	102	119	48 ^{*1}	138
5"	110	127	51	147
6"	140	160	47 ^{*2}	178

* Note:

1. If 4" mounted with electrical contacts, the case height (③) is 80 mm.
2. If 6" mounted with electrical contacts, the case height (③) is 26 mm (single contact)/40 mm (double contacts)

Dimensions

BL-Back mount



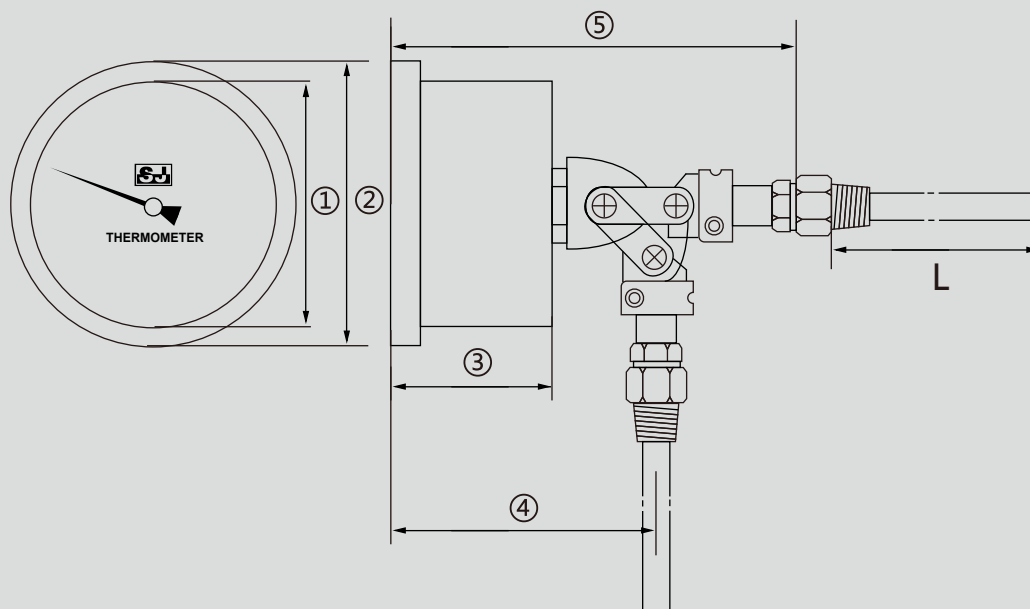
Dimensions (mm)			
NS	①	②	③
2.5"	55	64	40
3"	70	85	47
4"	102	119	48 ^{*1}
5"	110	127	51
6"	140	160	47 ^{*2}

* Note:

1. If 4" mounted with electrical contacts, the case height (③) is 80 mm.
2. If 6" mounted with electrical contacts, the case height (③) is 26 mm (single contact)/40 mm (double contacts)

Dimensions

BA-Adjustable angle



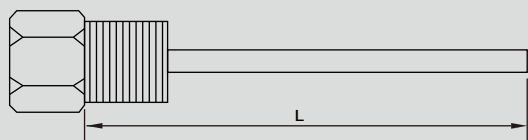
Dimensions (mm)					
NS	①	②	③	④	⑤
2.5"	55	64	40	80	146
3"	70	85	47	87	153
4"	102	119	48 ^{*1}	88	154
5"	110	127	51	91	157
6"	140	160	47 ^{*2}	87	153

* Note:

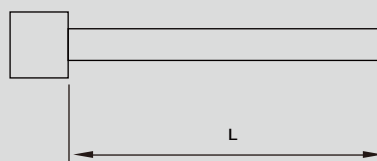
1. If 4" mounted with electrical contacts, the case height (③) is 80 mm.
2. If 6" mounted with electrical contacts, the case height (③) is 26 mm (single contact)/40 mm (double contacts)

Connection Design

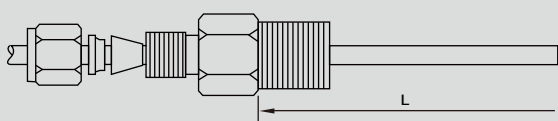
Male thread



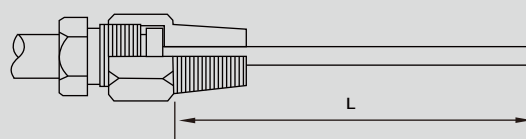
Plain stem



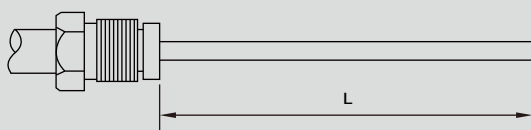
Compression fitting (sliding on stem)



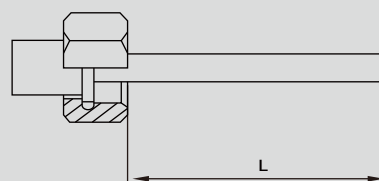
Union nut and loose threaded connection



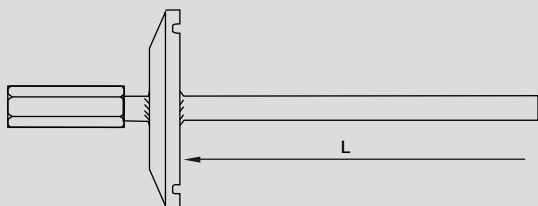
Male nut



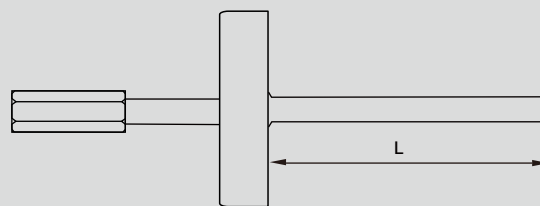
Union nut



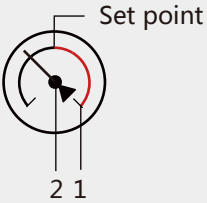
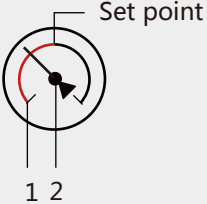
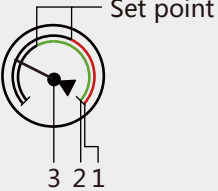
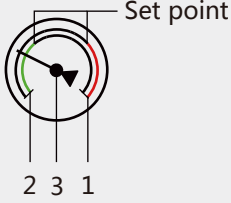
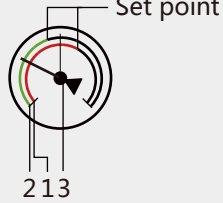
Sanitary tri-clamp



Flange on stem



Contact type

Single contact	
 Set point 2 1	2R Single contact N.O. S1 contact makes when the pointer reaches the set point.
 Set point 1 2	2G Single contact N.C. S1 contact breaks when the pointer reaches the set point.
Double contacts	
 Set point 3 2 1	3RR Double contacts N.O. S1 and S2 contact make when the pointer reaches the set point.
 Set point 2 3 1	3RG Double contacts N.O. + N.C. S1 contact makes and S2 contact breaks when the pointer reaches the set point.
 Set point 2 1 3	3GG Double contacts N.C. S1 and S2 contact break when the pointer reaches the set point.

* Note: special contact type can be customized.



※ **Ordering information**

Model / Connection location / Nominal size / Scale range / Process connection /
Connection design / Stem / Accessories / Contact type / Options

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

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