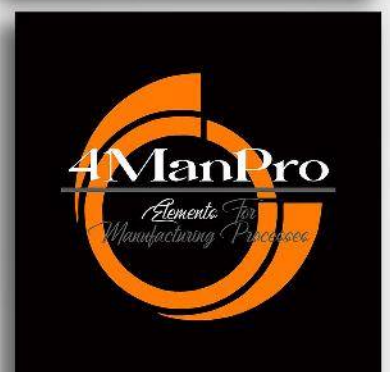




**SJ MTG /
MTG-E**



**GAS ACTIVATED
THERMOMETER**

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.)

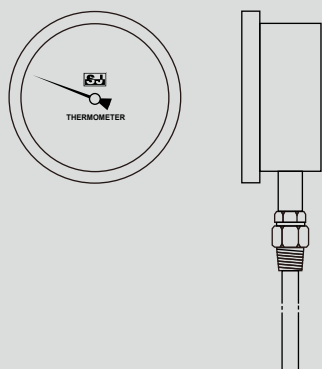
Starting current: 1.0 A (Max.)

Breaking current: 1.0 A (Max.)

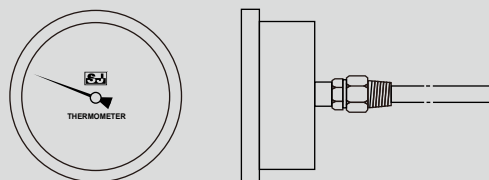
Persistent current: 0.6 A (Max.)

Connection Location

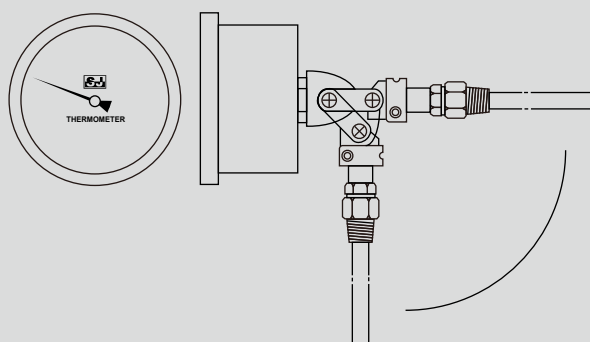
BS-Bottom mount



BL-Back mount



BA-Adjustable angle

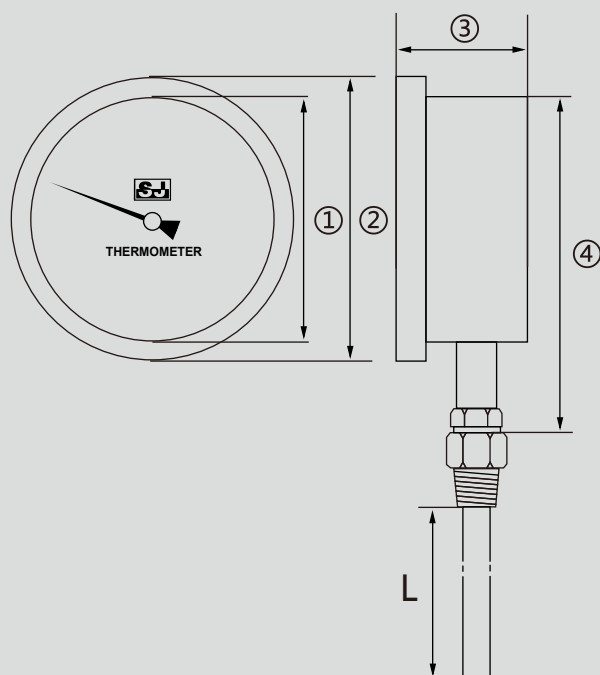


Connection location			
NS	BS	BL	BA
2.5"	V	V	V
*3"	V	V	V
*4"	V	V	V
5"	V	V	V
*6"	V	V	V

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

Dimensions

BS-Bottom mount



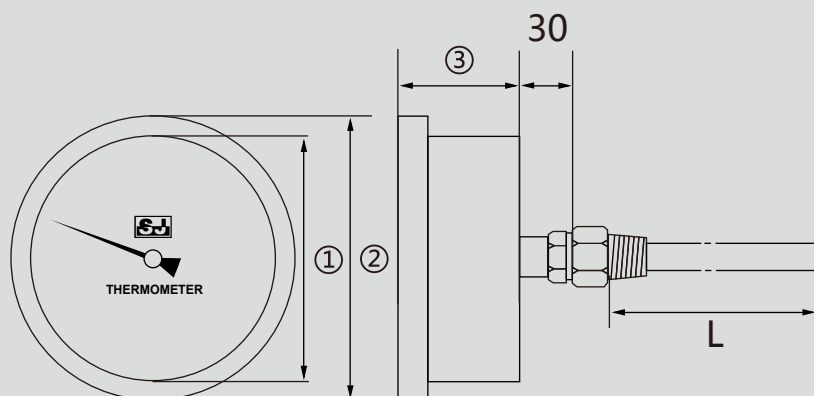
Dimensions (mm)				
NS	①	②	③	④
2.5"	55	64	40	90
3"	70	85	47	106
4"	102	119	48 ^{*1}	138
5"	110	127	51	147
6"	140	160	47 ^{*2}	178

* 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



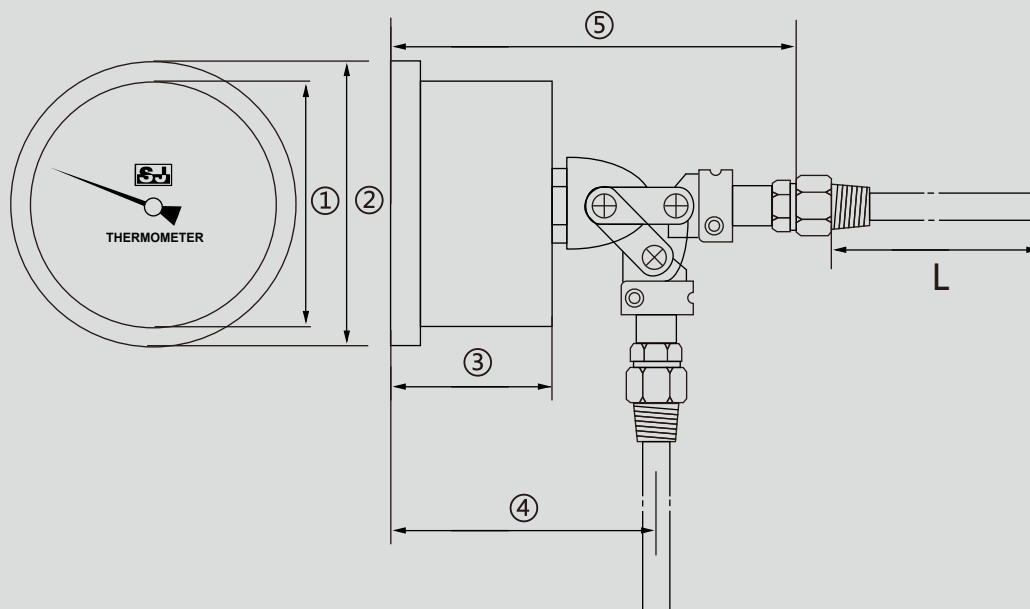
Dimensions (mm)			
NS	①	②	③
2.5"	55	64	40
3"	70	85	47
4"	102	119	48 ^{*1}
5"	110	127	51
6"	140	160	47 ^{*2}

* 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



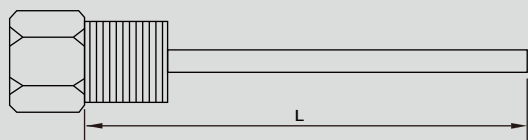
Dimensions (mm)					
NS	①	②	③	④	⑤
2.5"	55	64	40	80	146
3"	70	85	47	87	153
4"	102	119	48 ^{*1}	88	154
5"	110	127	51	91	157
6"	140	160	47 ^{*2}	87	153

* Note:

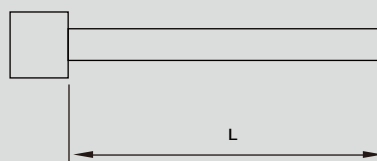
1. If 4" mounted with electrical contacts, the case height (③) is 80 mm.
2. If 6" mounted with electrical contacts, the case height (③) is 26 mm (single contact)/40 mm (double contacts)

Connection Design

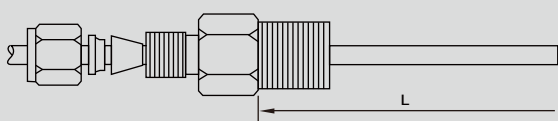
Male thread



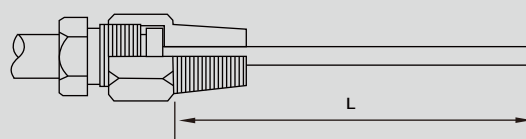
Plain stem



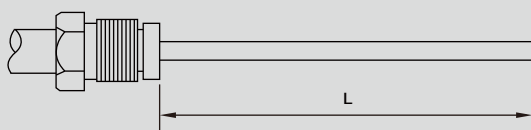
Compression fitting (sliding on stem)



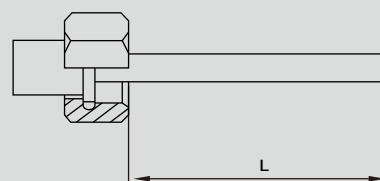
Union nut and loose threaded connection



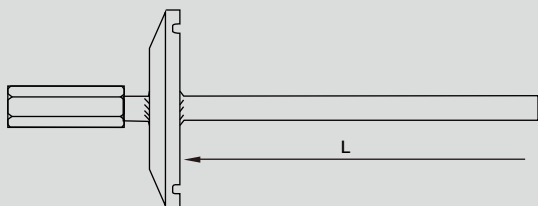
Male nut



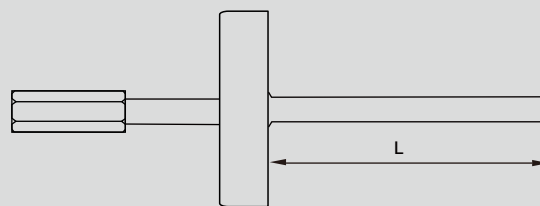
Union nut



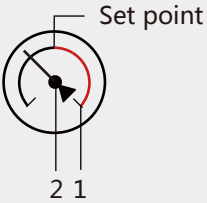
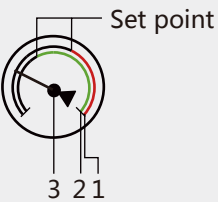
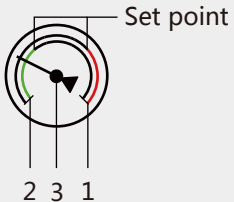
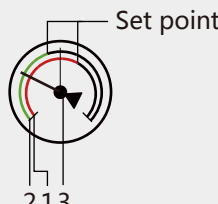
Sanitary tri-clamp



Flange on stem



Contact type

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

SIN JIA ENTERPRISE COMPANY LIMITED

TEL:+886-2-2550-4512

FAX:+886-2-2550-4510

info@sinjiagauge.com

www.sj-gauge.com

No.3, Ln. 71, Chifeng St., Datong Dist., Taipei City 103, Taiwan



4ManPro

*Elements For
Manufacturing Processes*



4ManPro
Mexico Branch Office

Elements For Manufacturing Processes

MEXICO BRANCH OFFICE

Roberto Diaz No. 401
Ciudad Industrial
Aguascalientes, Ags.
México
20290

4ManPro@4ManPro.com
(449) 171 3420
www.4ManPro.com/SPA/



USA BRANCH OFFICE

Pennzoil Place
700 Milam
Suite 1300
Houston, Tx, USA
77002

4ManPro-USA@4ManPro.com
+1 (832) 871 5022
www.4ManPro.com/ENG/

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