



## Expansion Thermometer, Alarm Contact

Model: MTG-E



### PRODUCT DESCRIPTION

▼ Thermometer with magnetic snap-action contact available for automated control

▼ Used in machine building, factory, and vessel construction

### PRODUCT SPECIFICATION

#### Connection location

Bottom mount, back mount, adjustable angle

#### Switch contact

Type:

Banana connector, rear cable outlet, cable socket

Functions:

Single contact N.O., single contact N.C., double contacts N.O. + N.C.

Version:

Reed contact

Adjustment knob:

None, plastic knob with acrylic window, metal knob with glass window

#### Scale ranges

-50°C ... 700°C

#### Accuracy

CL 1.0

#### Process connection

304 SS, 316 SS

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

PT, G, NPT, M

#### 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 designs

Union nut and loose threaded connection, male thread, plain stem, compression fitting (sliding on stem), male nut, union nut, sanitary end cap, flange on stem

#### Accessories (option)

Thermowell, drag pointer, spacer, cable with signal output PT100

#### IP rating

IP65

#### Sanitary end cap

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

#### Stem

304 SS, 316 SS

Length:

Above 50 mm (without thread)

can be customized

Diameter:

6.35, 8, 9.5, 10, 12 mm

#### Case/Ring

304 SS

#### Window

Glass, acrylic

#### Dial

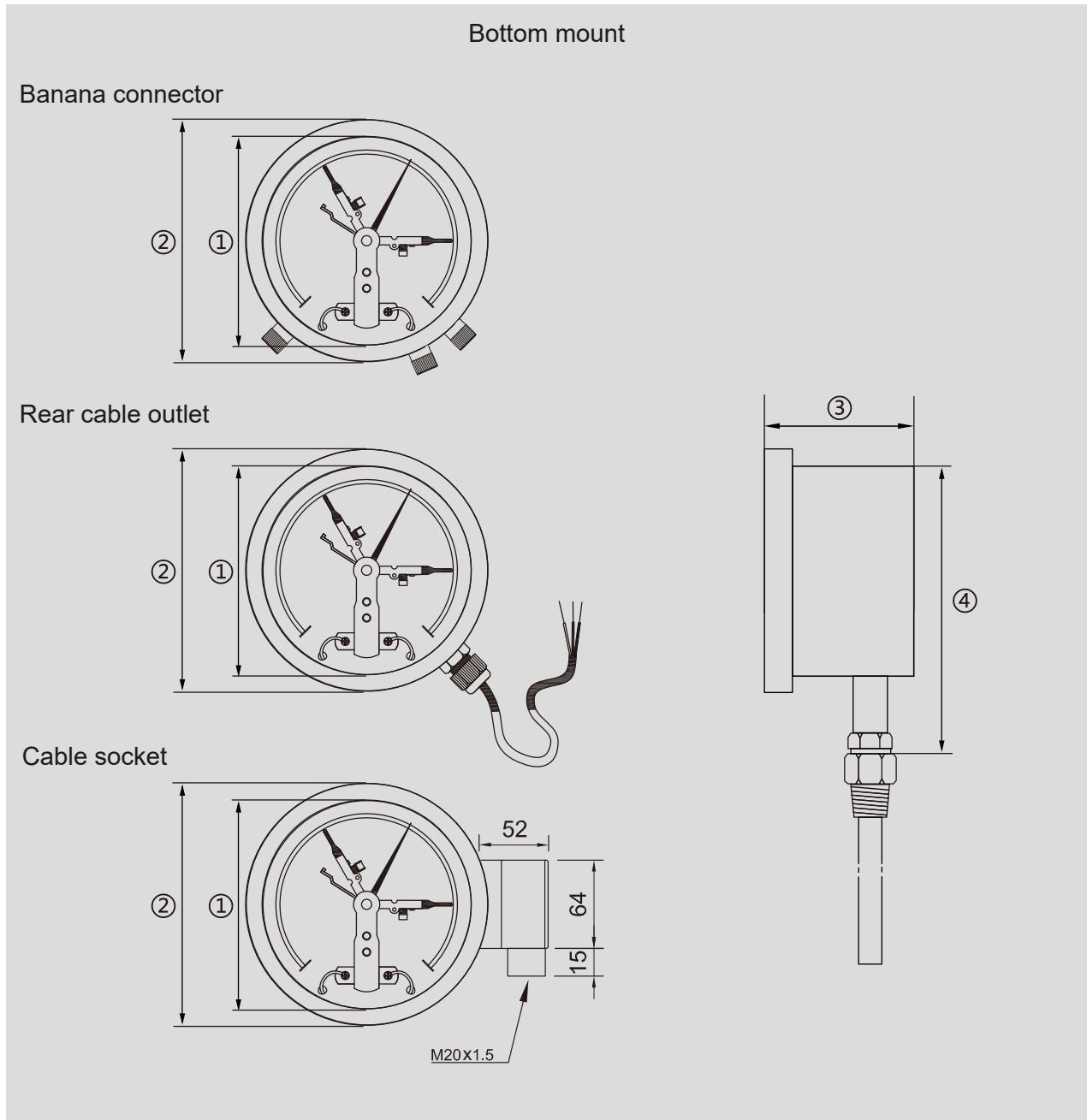
Aluminum alloy

Black scale on white

#### Pointer

Black aluminum alloy

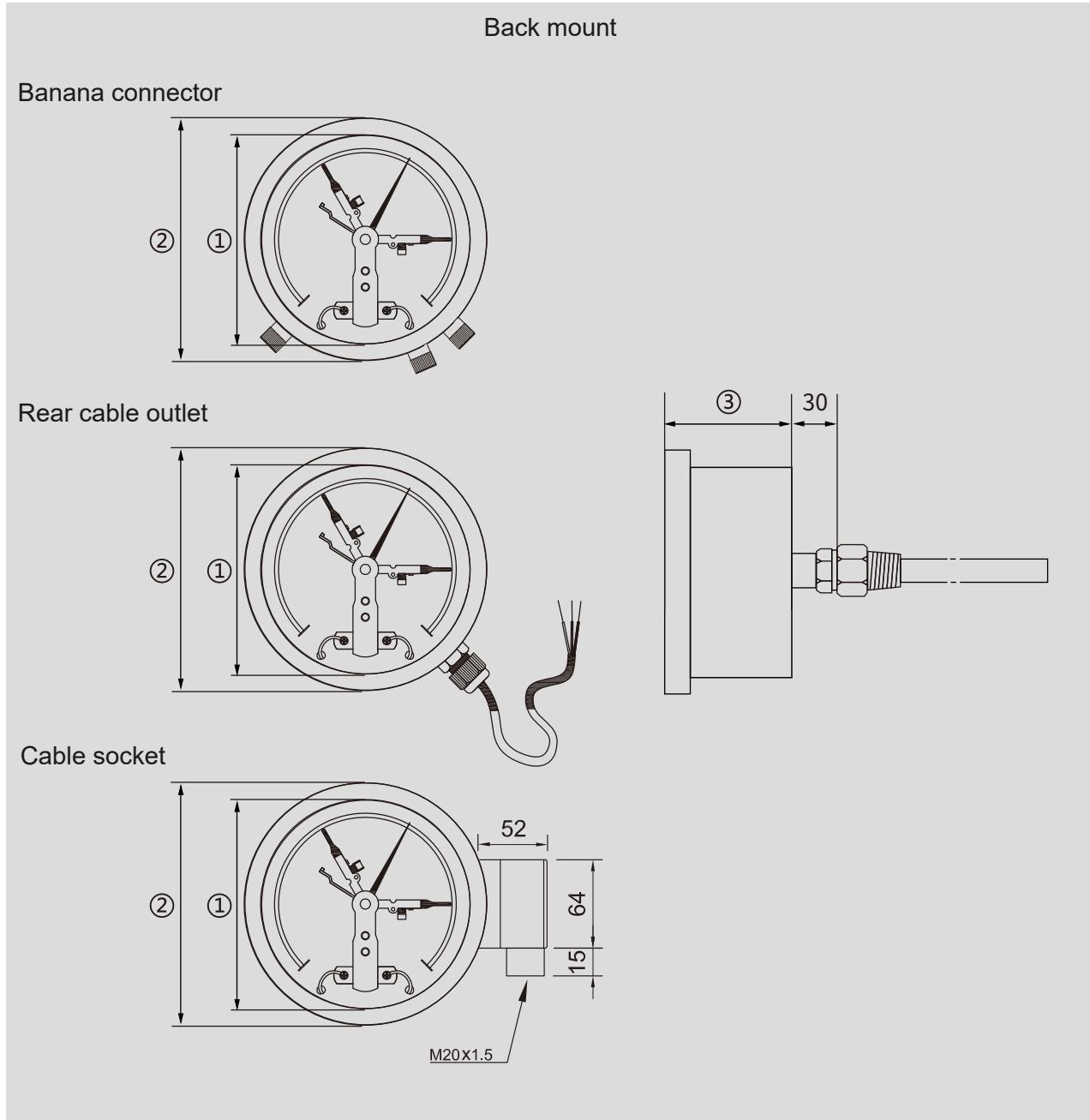
## DIMENSIONS



Dimensions (mm)				
NS	①	②	③	④
3"	70	85	47	106
4"	102	119	80	138
6"	140	160	73/87 *	178

\* 6" ③ represent the heights of single contact / double contacts.

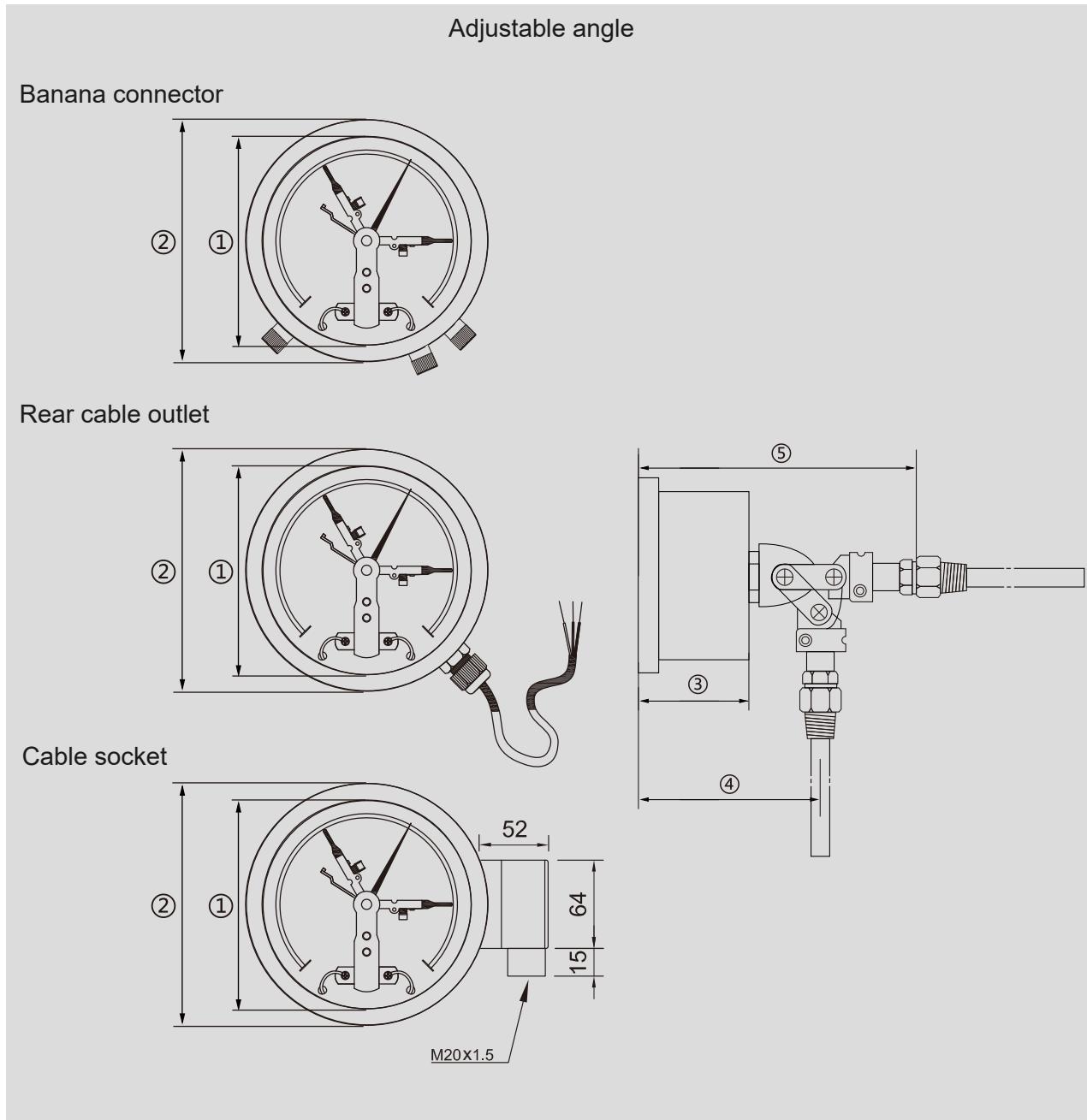
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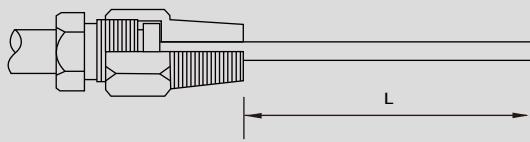


Dimensions (mm)					
NS	①	②	③	④	⑤
3"	70	85	47	87	153
4"	102	119	80	88	154
6"	140	160	73/87 *	87	153

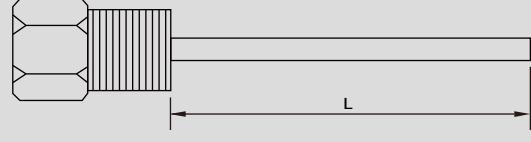
\* 6" ③ represent the heights of single contact / double contacts.

## CONNECTION DESIGN

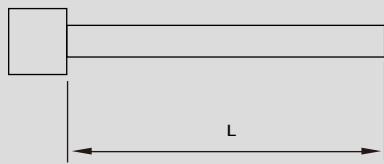
Union nut and loose threaded connection



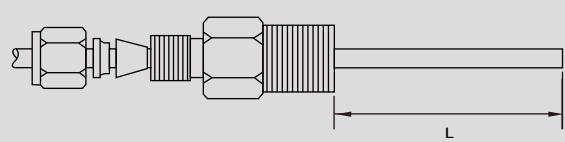
Male thread



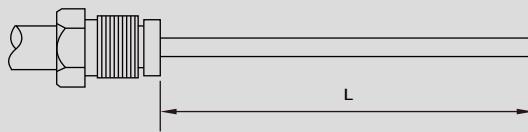
Plain stem



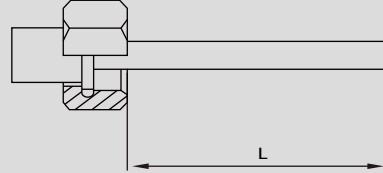
Compression fitting (sliding on stem)



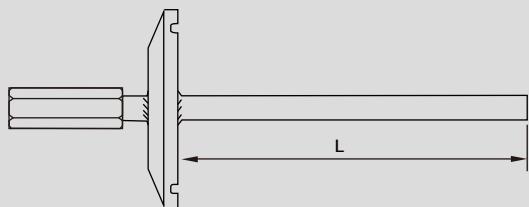
Male nut



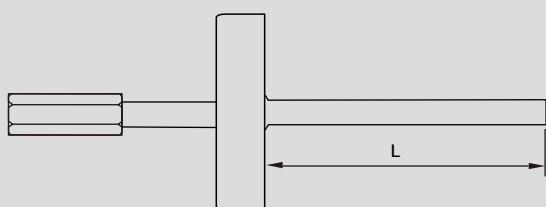
Union nut



Sanitary end cap

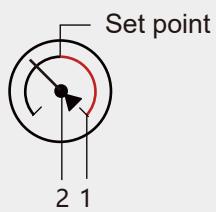


Flange on stem



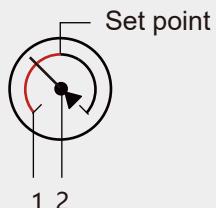
## CONTACT TYPE

### Single contact



#### 2R Single contact N.O.

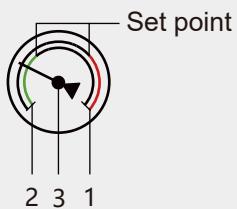
S1 contact makes when the pointer reaches the set point.



#### 2G Single contact N.C.

S1 contact breaks when the pointer reaches the set point.

### Double contacts

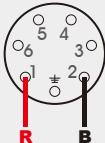


#### 3RG Double contacts N.O. + N.C.

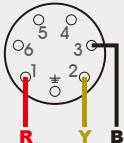
S1 contact makes and S2 contact breaks when the pointer reaches the set point.

### Cable socket

Single contact



Double contacts



#### Note:

If the signal output PT100Ω is purchased, the PT100Ω's terminals A, B, and B' correspond to connection points 4, 5, and 6 within the junction box.

\* Note: special contact type can be customized.





*Gauging your needs!*

## ORDERING INFORMATION

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

## CONTACT INFORMATION

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WEB : [www.sj-gauge.com](http://www.sj-gauge.com)

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