



Expansion Thermometer, Warning/Alarm Contact and Capillary

Model: MTR.S-E



PRODUCT DESCRIPTION

- ▼ Can measure the temperature devices with electrical contacts
- ▼ Length of the capillary can be adjusted on demand for remote observation
- ▼ If you do not need the contact function, please refer to MTR.S

PRODUCT SPECIFICATION

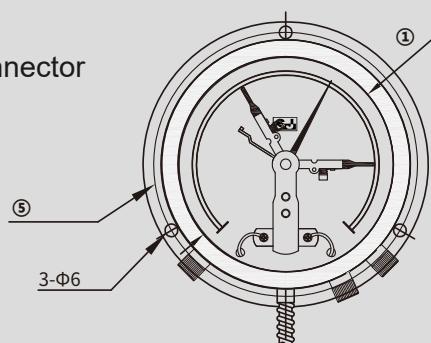
Connection location	Dial
Lower mount with surface mounting flange, lower mount with surface mounting bracket (3 holes), back mount with panel mounting flange, back mount with U-clamp	Aluminum alloy Black scale on white
Pointer	Black aluminum alloy
Nominal size	Case filling
3", 4", 6"	Without, glycerine, silicone oil
Scale ranges	Ambient temperature
-50°C ... 700°C	-20°C ... 70°C
Accuracy	Switch contact
CL 1.0	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
Process connection	Electrical contact specifications
304 SS, 316 SS 1/4, 3/8, 1/2, 3/4 PT, G, NPT, M	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	Accessories (option)
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	Thermowell, drag pointer, spacer, cable with signal output PT100
Sanitary end cap	IP rating
1", 1 1/2", 2", 2 1/2", 3", 4"	IP65
Stem	
304 SS, 316 SS Length: Above 50 mm (without thread) can be customized Diameter: 6.35, 8, 9.5, 10, 12 mm	
Capillary	
Sheathing: 304 SS, PVC, without Length: 0.2 M ... 20 M	
Case/Ring	
304 SS	
Window	
Glass, acrylic	

The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

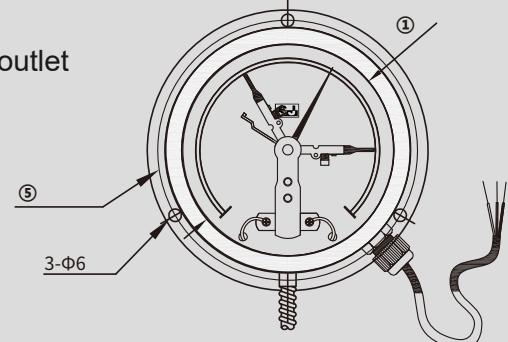
DIMENSIONS

Lower mount with surface mounting flange

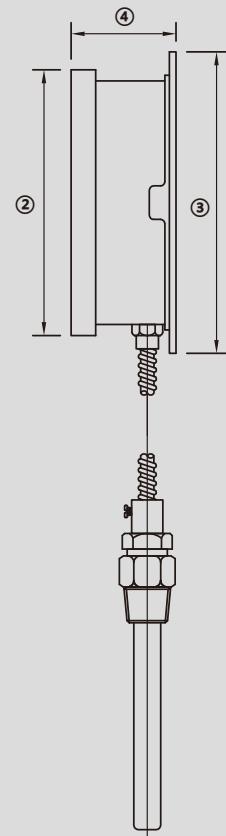
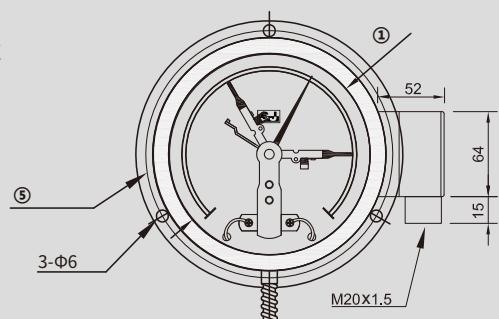
Banana connector



Rear cable outlet



Cable socket



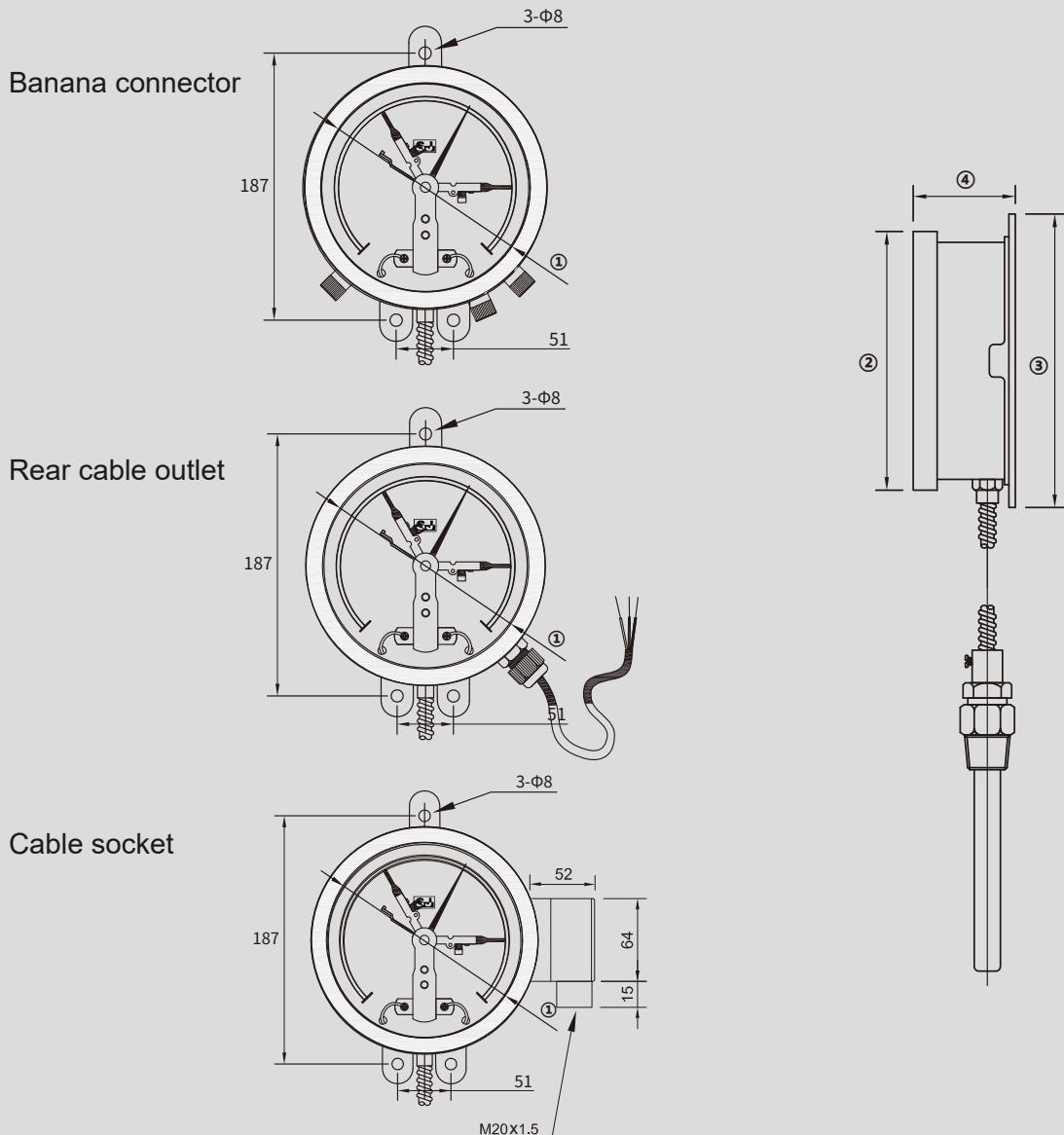
Dimensions (mm)

NS	①	②	③	④	⑤
3"	70	85	102	47	91
4"	102	119	137	80	123
6"	140	160	191	26/40	176

* 6" ④ represent the heights of single contact / double contacts.

DIMENSIONS

Lower mount with surface mounting bracket (3 holes)

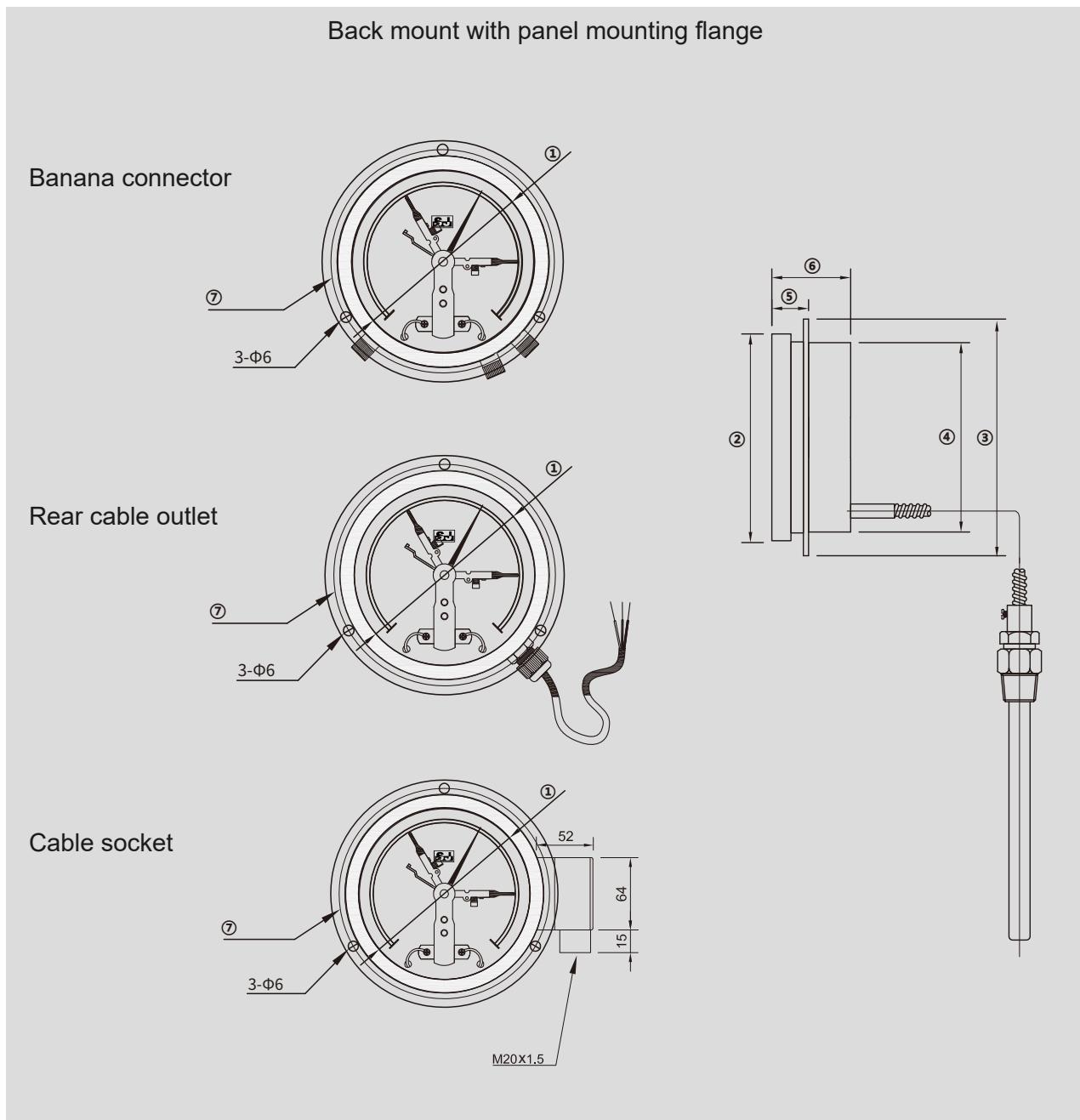


Dimensions (mm)

NS	①	②	③	④
6"	140	160	210	26/40

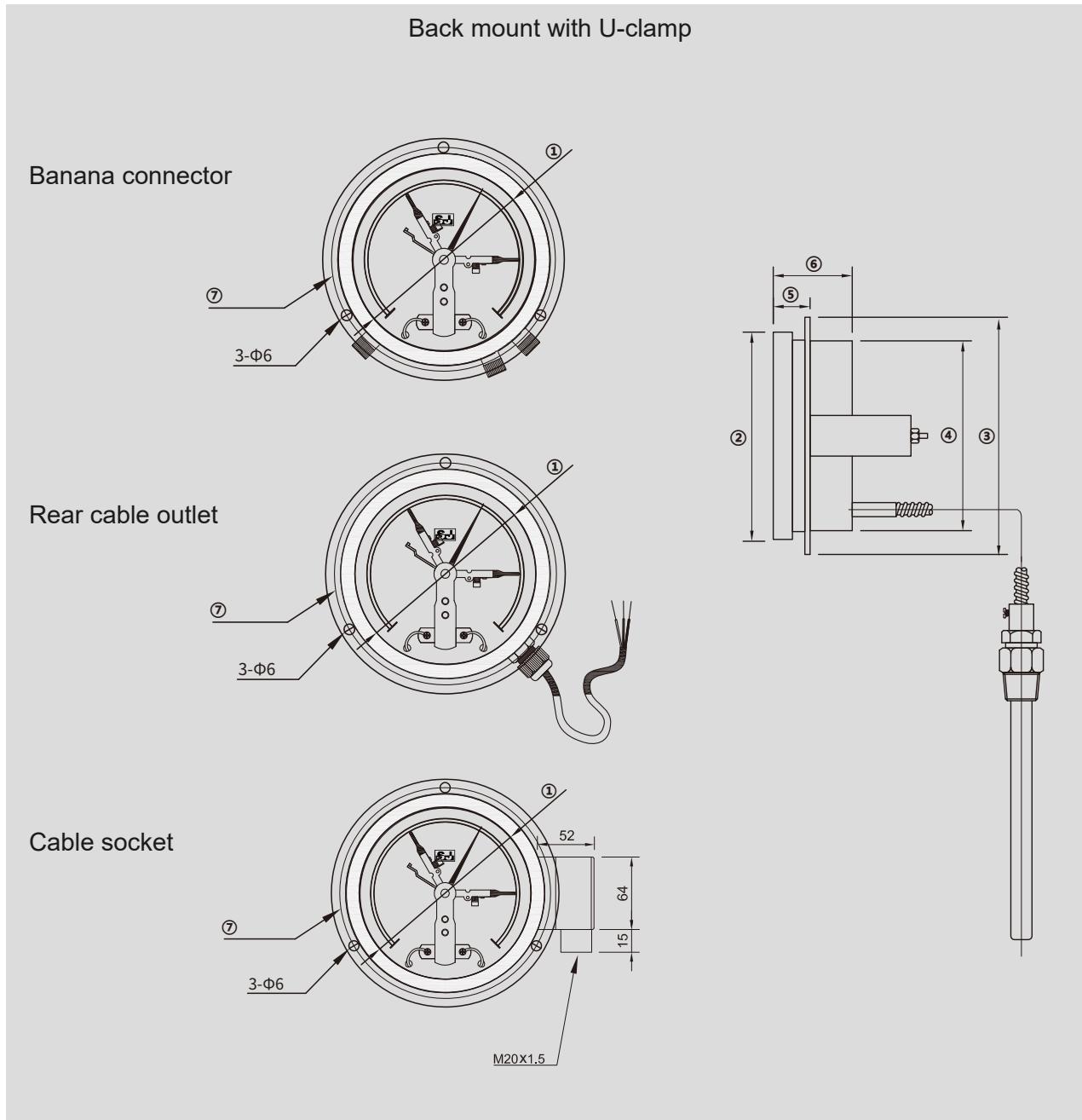
* 6" ④ represent the heights of single contact / double contacts.

DIMENSIONS



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

DIMENSIONS

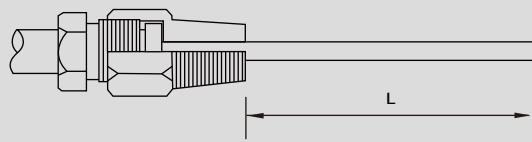


Dimensions (mm)						
NS	①	②	③	④	⑤	⑥
3"	70	85	102	76	16	47
4"	102	119	137	108	22	80
6"	140	160	191	148	18	26/40

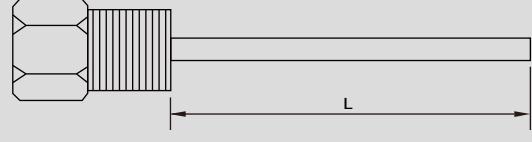
* 6" ⑥ represent the heights of single contact / double contacts.

CONNECTION DESIGN

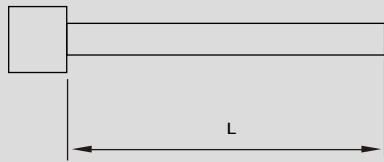
Union nut and loose threaded connection



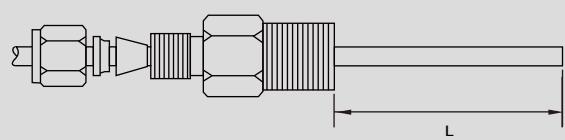
Male thread



Plain stem



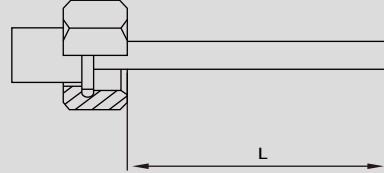
Compression fitting (sliding on stem)



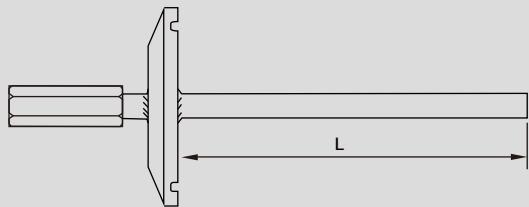
Male nut



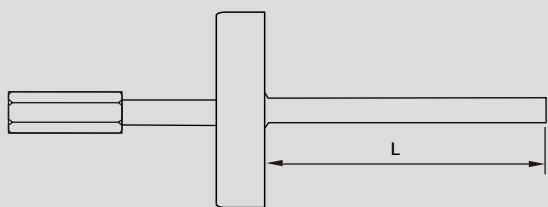
Union nut



Sanitary end cap

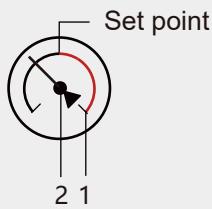


Flange on stem



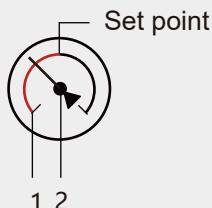
CONTACT TYPE

Single contact



2R Single contact N.O.

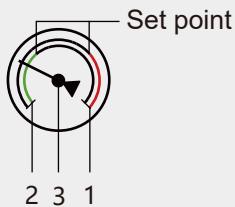
S1 contact makes when the pointer reaches the set point.



2G Single contact N.C.

S1 contact breaks when the pointer reaches the set point.

Double contacts

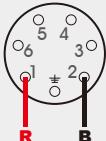


3RG Double contacts N.O. + N.C.

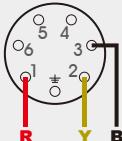
S1 contact makes and S2 contact breaks when the pointer reaches the set point.

Cable socket

Single contact



Double contacts



Note:

If the PT100Ω temperature sensor signal output is purchased as an additional option, the PT100Ω 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 / Capillary / Window / Case filling / Switch contact / Accessories / Options

CONTACT INFORMATION

ADD : 3F.-3, No. 4, Ln. 609, Sec. 5, Chongxin Rd., Sanchong Dist., New Taipei City 241402 , Taiwan (R.O.C.)

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

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