

TRT SERIES REMOTE READING GAS ACTUATED THERMOMETERS

Description & Features:

- Custom manufactured stainless steel thermometers for measuring temperatures remotely.
- Available in 2.5", 4" and 6" dial sizes in back or bottom connection.
- Temperature ranges available in single scale (F only, C only) or dual scale (F&C).
- Made from durable 304 stainless steel standard.
- 7-Year warranty*

**Refer to Merit Instruments warranty page for full warranty details.*

Specifications:

- Dial Size: 2.5" (63mm), 4" (100mm) and 6" (150mm) dial sizes are standard. Other sizes available upon request.
- Connection Location: Bottom or Back connection available.
- Dial: Aluminum.
- Case: 304 stainless steel case and.
- Case Mounting: 304 SS Back Flange standard on bottom connection, 304 SS Front Flange or 304 SS U-Clamp available on back connection thermometers.
- Lens: Polycarbonate (PC) standard, laminated safety glass available.
- Ring: 304 stainless steel.
- Capillary: 304 stainless steel, seamless. Standard lengths start at 5' and are available up to 15'. Longer capillary lengths available upon request.
- Armour: 304 stainless steel.
- Sensing Bulb: ½" OD x 6" long 304 stainless steel standard, 316 stainless steel optional. Other sensing bulb sizes available upon request.
- Connection: Plain bulb (no connection) standard. ½" NPT or ¾" NPT 316 stainless steel union connection or thermowell available.
- Fill Media: Gas – allows for a linear temperature scale unlike vapor filling which is non-linear.
- Accuracy: +/- 1% of full-scale value.
- Note: Merit recommends an ambient temperature of 74 F (23 C) when using this thermometer. Significantly higher or lower ambient temperatures may negatively impact the accuracy of the thermometer reading.



Applications:

- For any application requiring a remote temperature reading where the dial (temperature reading) is mounted away from the process media such as in tanks, difficult to reach process areas, different rooms, etc.
- Can be customized to meet OEM requirements.

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TRT SERIES ORDER CODES

ITEM	DESCRIPTION	CODE
Dial Size	2.0"	A
	2.5"	B
	4.0"	C
	6.0"	D
Capillary Location	Bottom	A
	Back	B
Mounting Option (back flange standard on bottom connection thermometers).	Back Flange	1F
	Front Flange	2F
	U-Clamp	3F
Capillary Length	5 Feet	5
	10 Feet	10
	15 Feet	15
Bulb Type	304 SS	S
	316 SS	C
Connection Type	Plain	PC
	1/2" NPT 316 SS Union	1U
	3/4" NPT 316 SS Union	2U
	1/2" NPT 316 SS Thermowell	1T
	3/4" NPT 316 SS Thermowell	2T

TEMPERATURE CODES

F Only Single Scale	Code	F&C Dual Scale	Code	C Only Single Scale	Code
-40/110 F	F1	-40/110 F&C	DS1	-40/40 C	C1
-20/120 F	F2	-20/120 F&C	DS2	-28/48 C	C2
30/150 F	F3	30/150 F&C	DS3	0/65 C	C3
0/180 F	F4	0/180 F&C	DS4	-20/80 C	C4
30/240 F	F5	30/240 F&C	DS5	0/115 C	C5
80/300 F	F6	80/300 F&C	DS6	30/150 C	C6
100/400 F	F7	100/400 F&C	DS7	40/200 C	C7
100/500 F	F8	100/500 F&C	DS8	40/260 C	C8
200/1000 F	F9	200/1000 F&C	DS9	90/540 C	C9

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How to order:

Select 1 item from each of the options on the previous page such as for the following example:

For a 2.5" dial bottom connection thermometer with back flange, 5' of capillary, 304 SS bulb with 1/2" NPT 316 SS union, range 30/240 F only, single scale: **TRTB A1F05S1UF5**

