Capillary type thermometers



Application:

- General-purpose temperature measuring instruments for gaseous, liquid and highly-viscous process media in harsh working environments
- Refrigeration industry
- Machine building

Features:

- Wetted parts and case material stainless steel
- According to EN13190
- For corrosive gasses and liquids

Specifications

Dial size: 2.5", 4", 6", Accuracy class: 2.5%(2.5"):

acy class. 2.570(2.57),

1.5% (4", 6")

Capillary: SS304,max. length 50m

Case: SS304
Window: Polycarbo

Window: Polycarbonate Pointer: Stem diameter: Ø6.35mm, Ø8mm, Ø10mm,Ø12mm

Temperature ranges: -40 to 600 ℃

Accessories: Sliding connections and thermowells

Temperature limit: 130 % F.S

Immersion tube: SS304 or 316L, max. length 1m

Dial: Aluminum, white

Pointer: Aluminum, black

Options:

Oil filling (silicon oil)
With thermowell

Process connections

Customer specific immersion length

Models:



Front flange for panel mounting, capillary outlet bottom



U-clamp for panel mounting, capillary outlet lower back

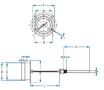


Front flange for panel mounting, capillary outlet center back

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Dimentions:





Type	Dial Size (inch)	Connection	Bezel Styles	A (mm)	B(mm)	C(mm)	D(mm)	F(mm)	G(mm)	l(mm)	K(mm)	L(mm)	M(mm)	U(mm)
CTT-2.5-BTM-OBR	2.5	Bottom	Outside Bayonet Ring	12	35	63	73	94	83.5	4.5	15±5	1500	12	150
CTT-4-BTM-IBR	4	Bottom	Inside Bayonet Ring	18	50	99	102	130	115	4.5	15±5	1500	10	150

Note: 1) K is relative to the type

- 2) We have made kinds of screw thread to orders
- 3) L is made as customer's request
- 4) F,G,I could be made as OEM based on 500pcs

Minimum immersion length Ls (mm)

	Diame	ter of t	the Imr	nersio	n tube	(mm)	φ14 φ16 15 13 20 17 30 25 40 30 50 40 70 55		
φ6	φ8	φ9	φ10	φ11	φ12	φ14	φ16		
70	35	30	25	20	18	15	13		
120	60	45	35	30	25	20	17		
190	90	60	55	45	35	30	25		
	135	100	80	65	55	40	30		
	170	130	100	80	65	50	40		
	-	190	150	120	95	70	55		
	Len	190 150 120 95 70 55 gth of sensitive part Ls (mm)							

Capillary length (m)								
≤2	≤ 5	≤ 10	≤ 20	≤ 30				
80	100	120	n.a.	n.a.				
60	80	80	100	120				
•	•			100				
• 60 • •								
•	•	60	•					
•	•	•	60	60				
Min. temperature span (C)								

How to use this table:

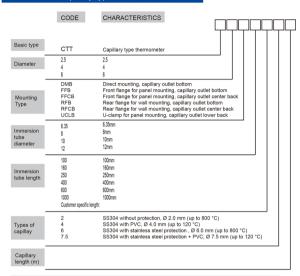
- 1. Select in the right table the first column, which covers your capillary length,
- 2. Move down in this column to the first value, which is not higher than your temperature span.
- 3. Move horizontal to the left table into the column with your selected immersion tube diameter.
- Read the minimum length of the sensitive part of the immersion tube for your selection.
 If this is too long, choose a larger diameter, a larger range or a shorter capillary.

4 m capillary, -20 ... 40 °C (span = 60 °C),

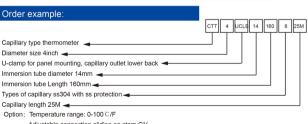
Immersion tube Ø 10 mm:

Minimum length of the sensitive part: Ls ≥ 80 mm

How to order capillary type thermometer:



Options to be added:
1. temperature range:
2. process connection:



Adjustable connection sliding on stem G1/2

Oil filling, with thermowell