

Remote reading thermometer

Model : T210

Spec. sheet no. TD02-01

Service intended

This thermometer is used for measuring temperature of corrosive and non-corrosive fluid in all industries. It operates in aggressive and non-aggressive environment. Linear dials and temperature compensate line assure an accurate temperature indication at varying ambient conditions.



Nominal diameter

100 and 150 mm

Accuracy

±2.0% of full scale

Measuring system (SAMA class IIIB)

Organic gas : 0 ~ 200°C

Inert gas : -200 ~ 700°C

Working range

Maximum scale value



Standard features

Location of stem and mounting

Bottom connection, surface, case mounting
lower back connection, flush, case center mounting

Case

304SS

Cover

304SS

Capillary

Capillary : 1.6/0.2 mm, 316SS

Armored tube : 7.5/5.5 mm, 304SS

Window

Glass

Dial

White aluminium with black graduation

Pointer

304SS, Black painted

Stem

8.0, 10.0 and 12.0 mm

316SS and 316L SS

Zero adjustment

Internal

Stem, process connection

3/8", 1/2", 3/4" PT, NPT and PF

Optional

±1.0% of full scale

1. Base model**T210** Remote reading thermometer**2. Nominal diameter (mm)**

- 4** 100
6 150

3. Type of mounting

- B** Bottom connection, surface, case mounting plate
M Lower back connection, flush, case center mounting plate

4. Stem material

- 1** 316SS
2 316L SS

5. Stem, process connection

- A** None
D 3/8"
E 1/2"
F 3/4"

6. Stem connection type (CF: Compression fitting)

- A** None
B PF
C PT
D NPT
E CF + PT
F CF + NPT
G CF + PF
H MT + PT (Movable thread)
I MT + NPT (Movable thread)
J MT + PF (Movable thread)

7. Stem outer diameter (mm)

- 2** 8.0
3 10.0
4 12.0

8. Range**XXX** Refer to scale range table**9. Capillary length**

- P** 2 metre
Q 3 metre
S 5 metre
V 8 metre
X 10 metre
Z Other

10. Accessories

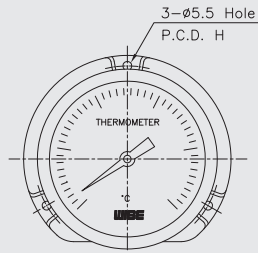
- 0** None
1 Thermowell
S Special accuracy ($\pm 1.0\%$ of full scale)
T Thermowell and special accuracy

1	2	3	4	5	6	7	8	9	10
T210	4	B	1	E	C	2	XXX	P	1

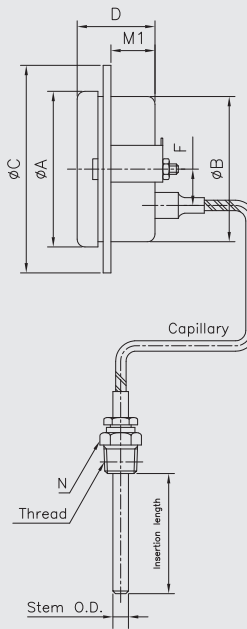
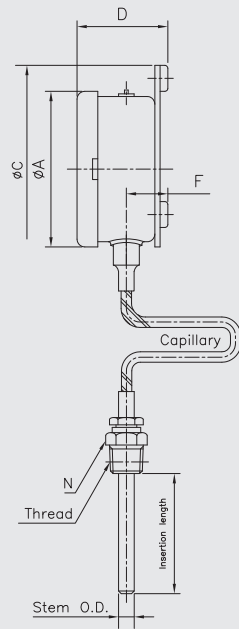
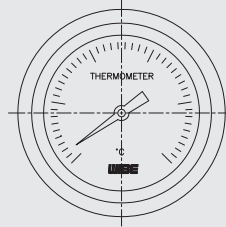
Sample
ordering code

T210 : Type of mounting

Code B



Code M



Dimensions (mm)

Dial Size	Available code	A	B	C	D±2	F±1	H	M1	N
100	B	111		128	53.5	18	115		27x31.2 HEX
	M	111	99.5	128	50.5	30		28.5	27x31.2 HEX
150	B	169.5		178	66.5	25.5	165		27x31.2 HEX
	M	169.5	153	178	63	55		38.5	27x31.2 HEX

Scale ranges

Code	Scale range (°C)	Scale spacing(°C)	Minimum stem length (mm)			Standard stem length (mm)		
			8.0	10.0	12.0	8.0	10.0	12.0
031	-200 ~ 100	5	150	100	65	200	130	130
032	-50 ~ 50	2	100	85	65	200	130	130
037	-50 ~ 100	2	100	88	65	200	130	130
054	-30 ~ 50	2	100	85	65	200	150	150
059	-30 ~ 100	2	100	85	65	200	130	130
061	-30 ~ 120	2	100	85	65	200	130	130
069	-20 ~ 50	2	100	85	65	200	130	130
074	-20 ~ 100	2	100	85	65	200	130	130
079	-20 ~ 150	5	100	85	65	200	130	130
084	-10 ~ 50	1	100	85	65	200	130	210
099	0 ~ 50	1	100	85	65	200	130	210
100	0 ~ 60	1	100	85	65	200	130	190
101	0 ~ 70	2	100	85	65	200	130	130
102	0 ~ 80	2	100	85	65	200	130	130
104	0 ~ 100	2	100	85	65	200	130	130
106	0 ~ 120	2	100	85	65	200	130	130
109	0 ~ 150	2	100	85	65	200	130	130
114	0 ~ 200	5	100	85	65	200	130	130
119	0 ~ 250	5	100	85	65	200	130	130
124	0 ~ 300	5	100	45	40	200	130	130
129	0 ~ 350	5	100	45	40	200	130	130
134	0 ~ 400	10	100	45	40	200	130	130
144	0 ~ 500	10	100	45	40	200	130	130
154	0 ~ 600	10	100	45	40	200	130	130
164	0 ~ 700	10	100	45	40	200	130	130

* 0 ~ 700°C/Special range

* -200 ~ 100°C/Special range

Insertion length

Code	1	2	3	4	5	6	7	8	9	A	B	C
Length (mm)	50	60	70	80	100	120	130	150	175	200	225	250

Code	D	E	F	G	H	J	K	L	M	N	P
Length (mm)	275	300	350	375	400	450	500	550	1,000	1,500	2,000