

Bi-metal thermometers for industrial application series TMB

Bi-metal thermometers
Case & wetted parts st. steel

General features

- Bi-metal thermometer
- Case and stem of stainless steel
- Degree of protection IP65
- Temperature ranges from -20...40°C to 0...600°C

Application area

- All st. steel thermometer suitable for use outdoors and chemical industry, oil refineries, petroleum, medicine, food & beverage industry, heavy industry and various industrial applications. The instruments meet the highest standards of measurement technique.

General specification

Size

TMB4 : 75 mm
TMB5 : 100 mm
TMB7 : 150 mm

Type of mounting

L-type : Bottom connection
T-type : Back connection
E-type : Bottom connection & every angle

Temperature ranges

-20...40 °C to 0...600°C

Accuracy class

± 2.0% of Full scale(Standard)

Stem

St. steel 304 or 316
6.4, 8.0, 10, 12 mm diameter

Stem length

min. & max. : depending on temp. range

Element

Helical type bi-metal

Degree of protection

IP65



Bi-metal thermometer, series TMB

Process connection

Material : St. steel
G1/4, PT1/4, NPT1/4
G3/8, PT3/8, NPT3/8
G1/2, PT1/2, NPT1/2
others on request

Material

Case	St. steel 304
Dial face	Aluminium
Window	Industrial glass
Pointer	Aluminium in black
Stem	St. steel 304
Connection	St. steel 304

Option

Liquid filling : up to 150°C
scale °F, K : dual scale °F/°C, °C/°F or other
Radial connection other than bottom
Plain stem or thread other than PT 1/2"
Window of safety glass
Thermowells per DIN / EN or to user specification
Other scale ranges
Accuracy ± 1.0% F.S for 100mm, 150mm
Case, stem, connection : St. steel 316



DAHO Tronic Limited

Tel: 02-865-7001 Fax: 02-865-7109

mail: info@daho.co.kr

STX W-Tower 209

Gyeongin-ro 53 Gil 90 Guro-gu

Seoul 08215 Korea

www.daho.co.kr

Ordering information

Model code

TMB

Mounting

L : Bottom connection
T : Back connection
E : Every angle

Dial size

4 : 75 mm
5 : 100 mm
7 : 150 mm

Temp. ranges

Refer to temp range code table

Stem material

S1 : St. steel 304
S2 : St. steel 316

Stem O.D

E : 6.4 mm
F : 8.0 mm
H : 10.0 mm

Stem Length

A : 100 mm
B : 200 mm
C : 300 mm
D : 400 mm
E : 500 mm
F : 600 mm
G : 700 mm
H : 800 mm
I : 900 mm
J : 1000 mm
K : 1500 mm
L : 2000 mm

Thread size

G : PF 4 : 1/4"
R : PT 38 : 3/8"
N : NPT 2 : 1/2"

Process conn't

O : none
T : thread
F : Compression fitting

Temperature range

Code	Range (°C)	Code	Range (°C)
T01	-50...50	T26	0...120
T02	-50...100	T27	0...150
T03	-30...50	T28	0...200
T04	-30...100	T29	0...250
T05	-20...50	T30	0...300
T06	-20...100	T31	0...350
T07	-20...150	T32	0...400
T08	-10...50	T33	0...500
T21	0...50	T34	0...600
T22	0...60		
T23	0...70		
T24	0...80		
T25	0...100		

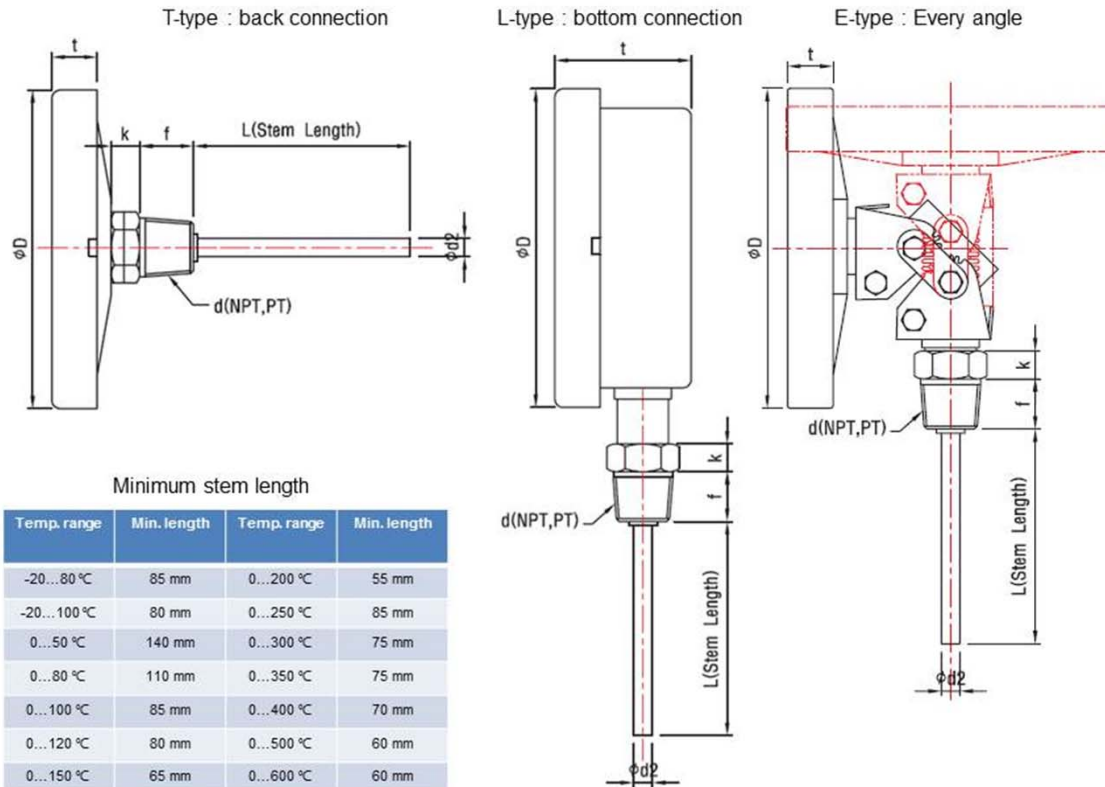
How to order

TMB-E-5-T27-S1-E-T-N2-C*

TMB, every angle, 100mm, 0...150°C, SUS 304, 6.4ø, NPT 1/2", Stem L 300mm*

* Please indicate the actual stem length in the order form.

Outline drawing



Dimension (Unit : mm)

Model	Mounting type	øD	t	k	ød2	d	f
TMB4	L : Bottom connection	87	41	12	6.4 8.0 10.0	PF 1/2"	20
						PT 1/2"	18
						NPT 1/2"	18
	T : Back connection	87	13	12		PF 1/2"	20
						PT 1/2"	18
						NPT 1/2"	18
TMB5	L : Bottom connection	114	48	12	6.4 8.0 10.0	PF 1/2"	20
						PT 1/2"	18
						NPT 1/2"	18
	T : Back connection	114	18	12		PF 1/2"	20
						PT 1/2"	18
						NPT 1/2"	18
	E : Every angle	114	18	12		PF 1/2"	20
						PT 1/2"	18
						NPT 1/2"	18