

Bimetal Thermometers TB Ø 40 - 63

Application	For industry and laboratories. The splash waterlight design is specially suitable for use in chemistry and in the food industry.
Temperature range	-30 ... 500°C
Accuracy	Up to 250°C DIN 16 203 class 1 Above 250°C ± 1.6% of the full scale
Dial	Aluminium brush finished, graduations black DIN 16 109, 16 128. For graduation marking and layout, see T0.305
Pointer	Aluminium, alloy black, DIN 16 099
Window	Normal glass
Protection	IP 52 DIN 40 050
Accessories	Screw connections and protective pipes as in Section T6.105 resp. T6.205



Selection chart

System design	Standard	TB xx / xxx.xxx
Nominal size		
NS 40		40
NS 63		63
Case and ring		
Stainless steel 1.4301		2
Structural shape		
Direct mounting		1
Immersion tube outlet		
Center back		2
Indicator		
Standard		1
Immersion tube / diameter / material		
4 mm, Stainless steel 1.4571		2
Immersion tube / installed length l		
60 mm		1
100 mm		2
160 mm		4
250 mm		6
400 mm		7

Special designs

For special designs see T1.905

Range

Order number	Range °C
61 T	-30 ... 30
11 T	0 ... 60
20 T	0 ... 120
13 T	0 ... 160
14 T	0 ... 250
15 T	0 ... 400
30 T	100 ... 500

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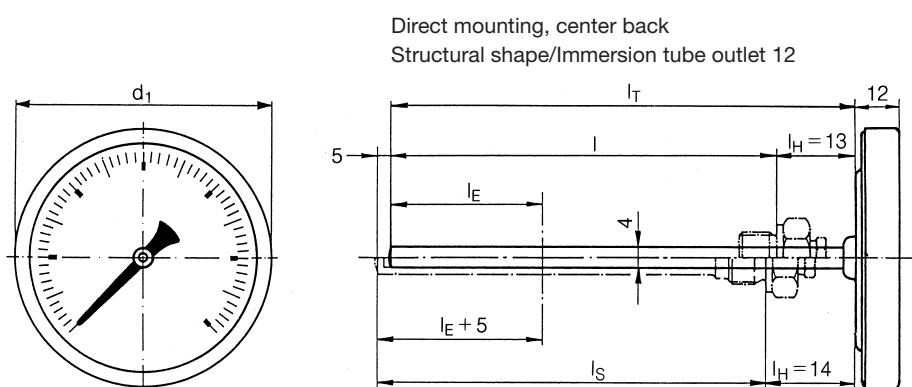
Application Notes

The instruments operate within the specified accuracy only if the minimal immersion depths listed in the chart below are adhered to.

The case must not be heated above 110°C by the heat given off. When there is no insulation between the assembly point and case, the distance l_H between the case and screw connection or protective pipe must be increased.

Range °C	Minimal immersion depth l_E
-30 ... 30	59
0 ... 60	59
0 ... 120	39
0 ... 160	39
0 ... 250	59
0 ... 400	39
100 ... 500	39

Dimensions



Measurement and Weight Chart

NS	d_1	Weight without immersion tube in kg	Weight per 100 mm of immersion tube in kg
40	40	0.022	0.005
63	63	0.047	0.005

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