

Bimetallic thermometers vertical without thermowells - Chemical Version Class 1.0

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Application: For aggressive measured material in chemistry, petro-chemistry, process engineering. Also for apparatus engineering, food industry or similar. The devices meet the highest requirements for measuring technology.

Materials: Housing: AISI 304, stem: AISI 316Ti, window: Polycarbonate (Ø 100: instrument plate glass)

Display correction: Indicator with micro-adjustment

Protection class: IP 65

Connection: Male thread G 1/2"

Stem: 8 mm

Class: 1.0

Operating pressure at the stem: Max. 25 bar

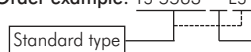
Installation dimension: Ø 63: F = 57 mm (≥ +300°C: 97 mm), G = 35 mm,
Ø 100: F = 83 mm (≥ +300°C: 123 mm), G = 50 mm

Available stem lengths: L = 63, 100, 160, 200 mm (please specify when ordering)

Type Ø 63 = D	Type (standard) Ø 100 = D	Display range	Measuring range	Scale graduation	Error limit
TS 5563 ** ES	TS 55100 ** ES	-50°C/+50°C	-40°C/+40°C	1°C	1°C
TS 3563 ** ES	TS 35100 ** ES	-30°C/+50°C	-20°C/+40°C	1°C	1°C
TS 2663 ** ES	TS 26100 ** ES	-20°C/+60°C	-10°C/+50°C	1°C	1°C
TS 6063 ** ES	TS 60100 ** ES	0°C/+60°C	+10°C/+50°C	1°C	1°C
TS 8063 ** ES	TS 80100 ** ES	0°C/+80°C	+10°C/+70°C	1°C	1°C
TS 10063 ** ES	TS 100100 ** ES	0°C/+100°C	+10°C/+90°C	1°C	1°C
TS 12063 ** ES	TS 120100 ** ES	0°C/+120°C	+20°C/+100°C	2°C	2°C
TS 16063 ** ES	TS 160100 ** ES	0°C/+160°C	+20°C/+140°C	2°C	2°C
TS 20063 ** ES	TS 200100 ** ES	0°C/+200°C	+20°C/+180°C	2°C	2°C
TS 25063 ** ES	TS 250100 ** ES	0°C/+250°C	+30°C/+220°C	5°C	2.5°C
TS 30063 ** ES	TS 300100 ** ES	0°C/+300°C	+30°C/+270°C	5°C	5°C
TS 40063 ** ES	TS 400100 ** ES	0°C/+400°C	+50°C/+350°C	5°C	5°C
TS 50063 ** ES	TS 500100 ** ES	0°C/+500°C	+50°C/+450°C	5°C	5°C
TS 60063 ** ES	TS 600100 ** ES	0°C/+600°C	+100°C/+500°C	10°C	10°C

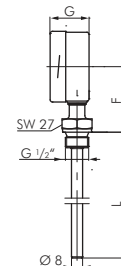
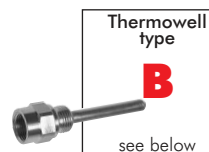
** please specify desired stem length: 63, 100, 160 or 200 mm

Order example: TS 5563 ** ES



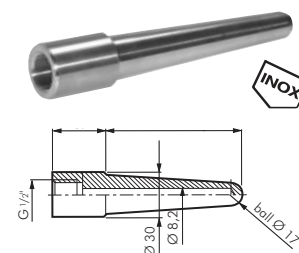
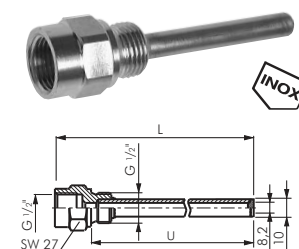
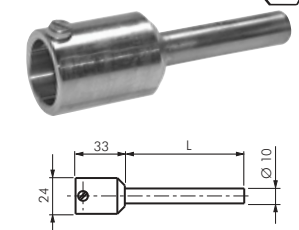
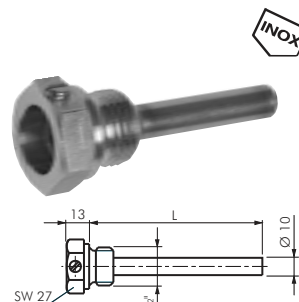
Stem length L:

63 mm	-63
100 mm	-100
160 mm	-160
200 mm	-200



Thermowells with fixation screws for bimetallic thermometers, 18 mm collar Type A

Type AISI 316Ti (max. 25 bar)	Type Cu-alloy (max. 6 bar)	Type unit 35 (max. 25 bar)	Suitable for stem lengths	L
To screw-in				
TR 63 BUND ES	TR 63 BUND CU	TR 63 BUND ST	63	63
TR 100 BUND ES	TR 100 BUND CU	TR 100 BUND ST	100	100
TR 160 BUND ES	TR 160 BUND CU	TR 160 BUND ST	160	160
TR 200 BUND ES	TR 200 BUND CU	TR 200 BUND ST	200	200
For welding				
TR 63 BUND AS ES			63	43
TR 100 BUND AS ES			100	80
TR 160 BUND AS ES			160	140
TR 200 BUND AS ES			200	180



Thermowells for bimetallic thermometers Industrial & Chemical Version Type B

Type AISI 316Ti (max. 25 bar)	Type Cu-alloy (max. 6 bar)	Suitable for stem lengths	U	L
To screw-in				
TR 6312 ES	---	63	45	73
TR 10012 ES	TR 10012 CU	100	82	110
TR 16012 ES	TR 16012 CU	160	142	170
TR 20012 ES	TR 20012 CU	200	182	210
For welding				
TR 10012 AS ES		100		73
TR 16012 AS ES		160		133
TR 20012 AS ES		200		173

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.