

# Stainless Steel Bimetallic Thermometer - TBX

## TBX

Bimetallic thermometer all stainless steel



### • Description

The TBX series is a bimetallic thermometer completely made in stainless steel and is suitable for industrial process applications such as machine building, plants, pipes and tanks for chemical, food or oil & gas industries.

Due to a wide choice of diameters, bulb lengths and temperature ranges, they are easily adaptable to any application for temperature control.

Made with a stainless steel case, they are also suitable for outdoor use.

The version with 200 or 400 mm back stem and temperature range  $-20+80^{\circ}\text{C}$  or  $-10+50^{\circ}\text{C}$  is the ideal product for oenological tanks for temperature control during vinification and fermentation phases.

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DISCLAIMER: Th Tech Engineering srl operates a policy of continuous product development.  
We reserve the right to change specification without prior notice.

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## Technical specifications execution EN13190

Nominal diameter in mm	Ø 63 - 80 - 100 - 150
Execution for all diameter	TTBX1 Bottom stem TBX2 back stem TBX3 every angle stem (only Ø 80 - 100 - 150)
Accuracy class	CL 1 (EN13190)
Operatin pressure on bulb	max 16 bar, static
Range °C	Range °C
-30+50	-10+50
-20+60	-10+110
0+60	-20+80
0+80	-20+140
0+100	0+200
0+120	0+400
0+160	0+600

### ● Features

- Bimetal coil
- Aluminium dial, white with black and red lettering
- Case, ring, stem (bulb) and process connection from stainless steel
- Window: instrument glass

### ● Thermowell

In principle, the operation of a mechanical thermometer without a thermowell with low process-side loading (low pressure, low viscosity and low flow velocities) is possible. However, in order to enable exchanging the thermometer during operation (e.g. instrument replacement or calibration) and to ensure a better protection of the instrument and also the plant and the environment, it is advisable to use a thermowell from the extensive Th Tech Engineering thermowell portfolio.