



## **BIMETTALIC THERMOMETER - SERIES TBX**

These mechanical thermometers are realized with case and stem entirely in stainless steel to ensure sturdiness and durability.

They are used in any application where a local reading of both static and movement temperature is required.

The operating principle of the dial thermometers is the rotation of the bimetallic spiral placed on the tip of the stem.

This allows to reach a wide range of temperatures with different degrees of precision, and to be able to make the shank in different diameters and lengths.

The thermometers of the TBX series have the possibility of getting an immediate temperature adjustment through the RESET screw located on the back of the case: this allows the reduction of the maintenance and recalibration costs of the thermometers themselves.

The sturdy and resistant bayonet lock of the stainless steel case allows the use of these thermometers in every process industry: chemical, petrochemical, oil & gas, food and other.

### **APPLICATIONS**

- Chemical
- Pharmaceutical
- Food
- Oil & Gas
- Industry
- Energy and power generators
- Shipbuilders and maritime builders
- Petrochemical
- Water treatment

### **MAIN FEATURES**

- Bayonet lock IP65
- Precision  $\pm 1\%$
- Calibration screw
- Completely stainless steel
- It can be filled with shock absorbing liquid to prevent pointer oscillations
- 3 different executions:
  - posterior stem
  - radial stem
  - adjustable stem


**TECHNICAL DATA**

MEASURING ELEMENT	BIMETALLIC SPIRAL
NOMINAL DIAMETER AVAILABLE	63mm 80mm 100mm 150mm
EXECUTION OF THE STEM	POSTERIOR RADIAL ADJUSTABLE
SCALE RANGE	CELSIUS DEGREES ONLY (standard) FAHRENHEIT DEGREES ONLY DOUBLE SCALE C/F
DIAMETER OF THE STAINLESS STEEL BULB (STEM)	6mm 8mm 9mm (Standard)
CASE PROTECTION DEGREE	IP65 (standard) Ip67 (filling with shock absorbing liquid)
ACCURACY CLASS	± 1%
CONSTRUCTION MATERIALS	CASE AND RING: STAINLESS STEEL 304 BULB/STEM: STAINLESS STEEL 304 QUADRANT: ALUMINIUM PREV. WHITE POINTER: ALUMINIUM PREV. BLACK
PROCESS CONNECTION	SMOOTH STEM (standard) Option GAS THREAD HEALTH ATTACKS (DIN / CLAMP)

**SCALE RANGES AVAILABLE IN °C (standard)\***

-50+50	-50+110	-40+40	-40+60	-35+35	-30+50	-30+70
-20+40	-20+60	-20+80	-20+100	-20+120	-20+140	-15+65
-10+50	-10+110	0+40	0+60	0+80	0+100	0+120
0+160	0+200	0+250	0+300	0+400	0+500	0+600

\*other scale ranges on request such as °F or double scale \*C/F