Bimetal Thermometer
Model TI.20, All Stainless Steel Construction

Application
- Suitable fluid medium which does not corrode 304 stainless steel

Special features
- Back connection without external reset
- Industrial design
- All Stainless steel construction

Standard version

Size
2" (50.8 mm) - Type TI.20

Accuracy
± 1.0% full scale value (ASME B40.3)

Min. / Max. Ranges
-100 °F to 1000 °F (and equivalent Celsius)

Working Range
Steady: full scale value
Short time: 110% of full scale value

Under / Over Range Protection
Temporary over or under range tolerance of 50% of scale up to 500 °F (260°C). For ranges above 500°F, maximum over range is 800°F; continuous. 1000°F intermittent.

Connection
Material: 304 stainless steel
Center back mount (CBM)
1" NPT

Stem
Material: 304 stainless steel
Diameter: 1" (6.35 mm)
Length: 2 ½" to 24" (63.5 mm to 609.6 mm)

Measuring Element
Bi-metal helix

Case
Material: 304 stainless steel; hermetically sealed per ASME B40.3 standard

Dial
White aluminum, dished, with black markings

Pointer
Black aluminum

Standard Scales
Single: Fahrenheit or Celsius
Dual: Fahrenheit (outer) and Celsius (inner)

Window
Flat instrument glass

Weight
2" - 5 oz.; Add 1 oz. for every 2" of stem length

Dampening
Inert gel to minimize pointer oscillation

Order Options (min. order may apply)
Special scales and dial markings; Acrylic windows
Calibration certification traceable to NIST

Warranty
Limited one year warranty as stated in WIKA’s Terms & Conditions of Sale.
Dimensions

Standard versions

Note: Thermowells for temperature instruments are recommended for all process systems where pressure, velocity, or viscous, abrasive and corrosive materials are present individually or in combination. A properly selected thermowell protects the temperature instrument from possible damage resulting from these process variables. Furthermore, a thermowell permits removal of the temperature instrument for replacement, repair or testing without effecting the process media or the system.

Ordering information

State computer part number (if available) / type number / size / range / connection size and locations / options required. WIKA reserves the right to make changes without prior notice.