

Bimetal Thermometers

Type TI.30/TI.50

- **Process Grade Resettable**
- **Hermetically Sealed**
- **Back Connected with Reset**



WIKA bimetal thermometers are ideal for most rugged industrial temperature measurement applications. The hermetically-sealed case offers protection from weather and dust, and is guaranteed against fogging up. WIKA Type TI.30 and TI.50 thermometers are guaranteed for 7 years.

Standard Features

- **Case:** 304 stainless steel
- **Dial:** Anti-Parallax, heavy gauge aluminum with white matte finish
- **External Reset:** Slotted hex adjustment
- **Window:** Fully gasketed glass
- **Hermetic Seal:** Per ASME B40.3
- **Stem:** 1/4" diameter; 304 stainless steel, TIG welded at tip and case connection. 3/8" diameter available
- **Dampening:** Inert gel to minimize pointer oscillation.
- **Over Range:** Temporary over or under range tolerance of 50% of scale up to 500°F (260°C)
- **Accuracy:** ±1% full range span (ASME B40.3 Standard)
- **Shipping Weight:**
Type 30: stem length 2 1/2"-9"=12oz.
Type 50: stem length 2 1/2"-9"=1lb.8oz.
(weights of individual thermometers)

Available Options

Stem Lengths: (in inches) 2 1/2, 4, 6, 9, 12, 15, 18, 24, up to 72"
Silicone Fill, Custom Dials, Min-Max Pointer, Union Locknut, Dampened Movement
Window: Lexan, Acrylic, Shatterproof

Type TI.30 - 3" Single Scale

Connection	Back				
Process Conn.	1/2" NPT				
Stem Length	2 1/2"	4"	6"	9"	12"
Temperature Ranges (Fahrenheit)					
-40/120 °F	30025D202G4	30040D202G4	30060D202G4	30090D202G4	30120D202G4
0/250 °F	30025D206G4	30040D206G4	30060D206G4	30090D206G4	30120D206G4
50/550 °F	30025D216G4	30040D216G4	30060D216G4	30090D216G4	30120D216G4

Type TI.30 - 3" Dual Scale

Temperature Ranges (Fahrenheit & Celsius)					
-40/120 °F & °C	30025D002G4	30040D002G4	30060D002G4	30090D002G4	30120D002G4
0/250 °F & °C	30025D006G4	30040D006G4	30060D006G4	30090D006G4	30120D006G4
50/500 °F & °C	30025D010G4	30040D010G4	30060D010G4	30090D010G4	30120D010G4

Type TI.50 - 5" Single Scale

Stem Length	2 1/2"	4"	6"	9"
Ranges (Fahrenheit)				
-40/120 °F	50025D202G4	50040D202G4	50060D202G4	50090D202G4
0/250 °F	50025D206G4	50040D206G4	50060D206G4	50090D206G4
50/550 °F	50025D216G4	50040D216G4	50060D216G4	50090D216G4

Type TI.50 - 5" Dual Scale

Ranges (Fahrenheit & Celsius)				
-40/120 °F & °C	50025D002G4	50040D002G4	50060D002G4	50090D002G4
0/250 °F & °C	50025D006G4	50040D006G4	50060D006G4	50090D006G4
50/500 °F & °C	50025D010G4	50040D010G4	50060D010G4	50090D010G4

NOTE: Stock items shown in **bold, blue** print.

For additional ordering information, refer to pages 383, 384

Datasheet: [TI.30](#), [TI.50](#)

Bimetal Thermometers

Type TI.31/TI.51



- **Process Grade Resettable**
- **Hermetically Sealed**
- **Bottom Connected with Reset**

WIKAI TI.31 and TI.51 bimetal thermometers offer the same features as the TI.30 and TI.50, with a fixed lower mount (bottom) connection. The hermetically-sealed case offers protection from weather and dust, and is guaranteed against fogging up. The TI.31 and TI.51 have a 7 year guarantee.

Standard Features

- **Case:** 304 stainless steel
- **Dial:** Anti-parallax, heavy gauge aluminum with white matte finish.
- **External Reset:** Slotted hex adjustment
- **Window:** Fully gasketed glass standard
- **Hermetic Seal:** Per ASME B40.3
- **Stem:** 1/4" diameter; 304 stainless steel, TIG welded at tip and case connection. 3/8" diameter available
- **Dampening:** Inert gel to minimize pointer oscillation.
- **Over Range:** Temporary over or under range tolerance of 50% of scale up to 500°F (260°C)
- **Accuracy:** ±1% full range span per ASME B40.3
- **Shipping Weight:**
 Type 31: stem length 2 1/2" - 9" = 12oz.**
 Type 51: stem length 2 1/2" - 9" = 1lb. 10oz.**
 (**weights of individual thermometers)

Type	TI.31 3" Single Scale		
Connection	Lower		
Process Conn.	1/2" NPT		
Stem Length	2 1/2"	4"	6"
Temperature Ranges (Fahrenheit)			
-40/120 °F	31025D202G4	31040D202G4	31060D202G4
0/250 °F	31025D206G4	31040D206G4	31060D206G4
50/550 °F	31025D216G4	31040D216G4	31060D216G4

Note: TI.51, 5" dial thermometer also available.
Consult factory for details.

For additional ordering information, refer to pages 383, 384

Available Options:

Stem Lengths: (In Inches) 2 1/2, 4, 6, 9, 12, 15, 18, 24, up to 72"
 Silicone Fill, Custom Dials, Min-Max Pointer, Union Locknut, Union Connection
 Window: Lexan, Acrylic, Shatterproof,
 Sharp tip, Dampened Movement
 RS= Ride side connection location
 LS= Left side connection location
 TS= Top side connection location

Datasheets: TI.31, TI.51

Bimetal Thermometers

Type TI.32/TI.52



- **Process Grade**
- **Any Angle Adjustable Dial**
- **Stainless Steel Case & Screw**

WIKA TI.32 and TI.52 bimetal thermometers are similar to TI.30 and TI.50 but with an all-angle swivel connection. The hermetically-sealed case offers protection from weather and dust, and is guaranteed against fogging up. WIKA TI.32 and TI.52 Thermometers are guaranteed for 7 years.

Standard Features

- **Case:** 304 stainless steel
 - **Dial:** Anti-parallax, heavy gauge aluminum with white matte finish
 - **External Reset:** Slotted hex adjustment
 - **Window:** Fully gasketed glass
 - **Hermetic Seal:** Per ASME B40.3
 - **Stem:** 1/4" diameter; 304 stainless steel, TIG welded at tip and case connection. 3/8" diameter available
 - **Dampening:** Inert gel to minimize pointer oscillation.
 - **Over Range:** Temporary over or under range tolerance of 50% of scale up to 500°F (260°C)
 - **Accuracy:** ±1% of full scale per ASME B40.3
 - **All Angle Case:** Rotation of 360° and stem variation of more than 180°.
 - **Shipping Weight:**
 Type 32: stem length 2 1/2" - 9" = 1lb.
 Type 52: stem length 2 1/2" - 9" = 2lbs.
 (weights of individual thermometers)
- Available Options:**
 Stem Lengths: (in inches) 2 1/2, 4, 6, 9, 12, 15, 18, 24, up to 72"
 Silicone Fill, Custom Dials, Min-Max Pointer, Union Locknut, Sharp Tip, Dampened Movement
 Union connection
 Window: Lexan, Acrylic, Shatterproof

Type	TI.32 3", Single Scale				
Connection	All Angle				
Process Conn.	1/2" NPT				
Stem Length	2 1/2"	4"	6"	9"	12"
Temperature Ranges (Fahrenheit)					
-40/120 °F	32025D202G4	32040D202G4	32060D202G4	32090D202G4	32120D202G4
0/250 °F	32025D206G4	32040D206G4	32060D206G4	32090D206G4	32120D206G4
50/550 °F	32025D216G4	32040D216G4	32060D216G4	32090D216G4	32120D216G4

Type	TI.52 5" Dual Scale				
Connection	All Angle				
Process Conn.	1/2" NPT				
Stem Length	2 1/2"	4"	6"	9"	12"
Temperature Ranges (Fahrenheit & Celsius)					
-40/120 °F & °C	52025D002G4	52040D002G4	52060D002G4	52090D002G4	52120D002G4
0/250 °F & °C	52025D006G4	52040D006G4	52060D006G4	52090D006G4	52120D006G4
50/500 °F & °C	52025D010G4	52040D010G4	52060D010G4	52090D010G4	52120D010G4

Type	TI.52 5" Single Scale				
Connection	All Angle				
Process Conn.	1/2" NPT				
Stem Length	2 1/2"	4"	6"	9"	12"
Temperature Ranges (Fahrenheit)					
-40/120 °F	52025D202G4	52040D202G4	52060D202G4	52090D202G4	52120D202G4
0/250 °F	52025D206G4	52040D206G4	52060D206G4	52090D206G4	52120D206G4
50/550°F	52025D216G4	52040D216G4	52060D216G4	52090D216G4	52120D216G4

NOTE: Stock items shown in **bold, blue** print.

For additional ordering information, refer to pages 383, 384

Datasheets: [TI.32](#), [TI.52](#)