



Bimetal Thermometers

All Stainless Steel Construction

Lower (Bottom) Connection Without External Reset

Type TI.54

Thermometers

Application

Industrial type design for fluid medium which does not corrode 304 stainless steel.

Size

5" (127 mm) - Type TI.54

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.



Standard Features

Connection

Material: 304 stainless steel
Lower mount (LM) - Type TI.54
1/2" NPT Connection

Stem

Material: 304 stainless steel
Diameter: 1/4" (6.35 mm)
Length: 2 1/2" to 24" (63.5 mm to 609.6 mm)

Measuring Element

Bi-metal helix

Case

Material: 304 stainless steel
Hermetically sealed

Dial

White aluminum, dished, with black markings

Pointer

Black aluminum

Standard Scales

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

Window Gasket

Neoprene
Silicone (-100 °F and over 550 °F)

Window

Flat instrument glass

Weight

24 oz. (Type TI.54);
Add 1 oz. for every 2" of stem length

STANDARD RANGES

Fahrenheit	Dual Scale F & C	Celsius
Single Scale	F Outer, C Inner	Single Scale
-100/150 F	-100/150 F & -70/70 C	-50/50 C
-40/120 F	-40/120 F & -40/50 C	-20/120 C
0/140 F	0/140 F & -20/60 C	0/50 C ¹
0/200 F	0/200 F & -15/90 C	0/100 C
0/250 F	0/250 F & -20/120 C	0/150 C
20/240 F	20/240 F & -5/115 C	0/200 C
25/125 F ¹	25/125 F & -5/50 C ¹	0/250 C
50/300 F	50/300 F & 10/150 C	0/300 C
50/400 F	50/400 F & 10/200 C	0/450 C ²
50/550 F	50/500 F & 10/260 C	100/550 C ²
150/750 F	150/750 F & 65/400 C	
200/1000 F ²	200/1000 F & 100/540 C ²	

¹Minimum stem length 4" for Types 54

²Not recommended for continuous service over 800°F (425°C)

Dampening

Helix coated with viscous silicone to minimize pointer oscillation and improve sensitivity (ranges below 400°F)

Order Options (min. order may apply)

Thermowells
Special scales and dial markings
Acrylic and safety glass windows
Calibration certification traceable to NIST

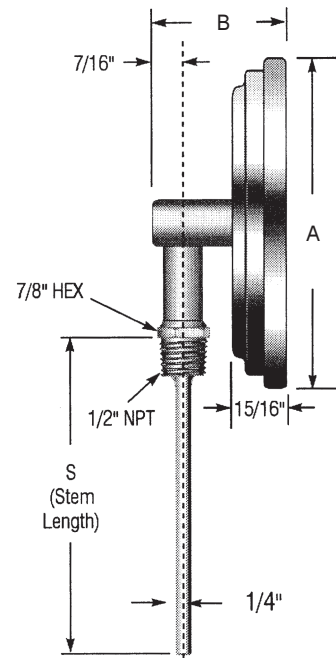
Warranty

Limited one year warranty as stated in WIKA's Terms & Conditions of Sale

ATM TI.54
(ATM 53.04)

Dimensions:

Type TI.54



STEM LENGTH
2½" (63.5 mm)
4" (101.6 mm)
6" (152.4 mm)
9" (228.6 mm)
12" (304.8 mm)
15" (381.0 mm)
18" (457.2 mm)
24" (609.6 mm)

Bottom Connected (Types 34 & 54)

WIKA TYPE	DIAL SIZE	A	B	S (Stem Length)
54	5" (127 mm)	5-1/4" (133.4 mm)	1-7/8" (47.6 mm)	As Specified

THE MEASURE OF
Total Performance™

Ordering Information:

State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice



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