

Bimetal Thermometers Laboratory Thin Stem Back Connection

WIKA Datasheet TI.T17-TI.T20

Applications

- Laboratories
- OEM applications

Special Features

- High quality
- Economical
- Stainless steel construction



Thermometers T17 and T20

Standard Features

Size

2" (68 mm) - Model T20
1¾" (44.5mm) - Model T17

Accuracy Class

1% full-scale value (ASME B40.3)

Min. / Max. Ranges

-100°F to 1000°F (and equivalent °C)

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)

Connection

Plain, 7/16" hex hub with no threads

Stem

304 SS, TIG welded at tip and case connection.
0.150" diameter (0.142" on Model 2008)

Measuring Element

Bi-metal helix

Dial

White aluminum, flat, with black markings

Case

Material: 304 SS

Pointer

Black aluminum

Standard Scales

Single: °F or °C
Dual: °F (outer) and °C (inner)

Window Gasket

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

Window

Flat instrument glass

External Reset

Externally adjustable on plain connection only. No external adjustment available on threaded connections.

Dampening

Inert gel to minimize pointer oscillation

Order Options (min. order may apply)

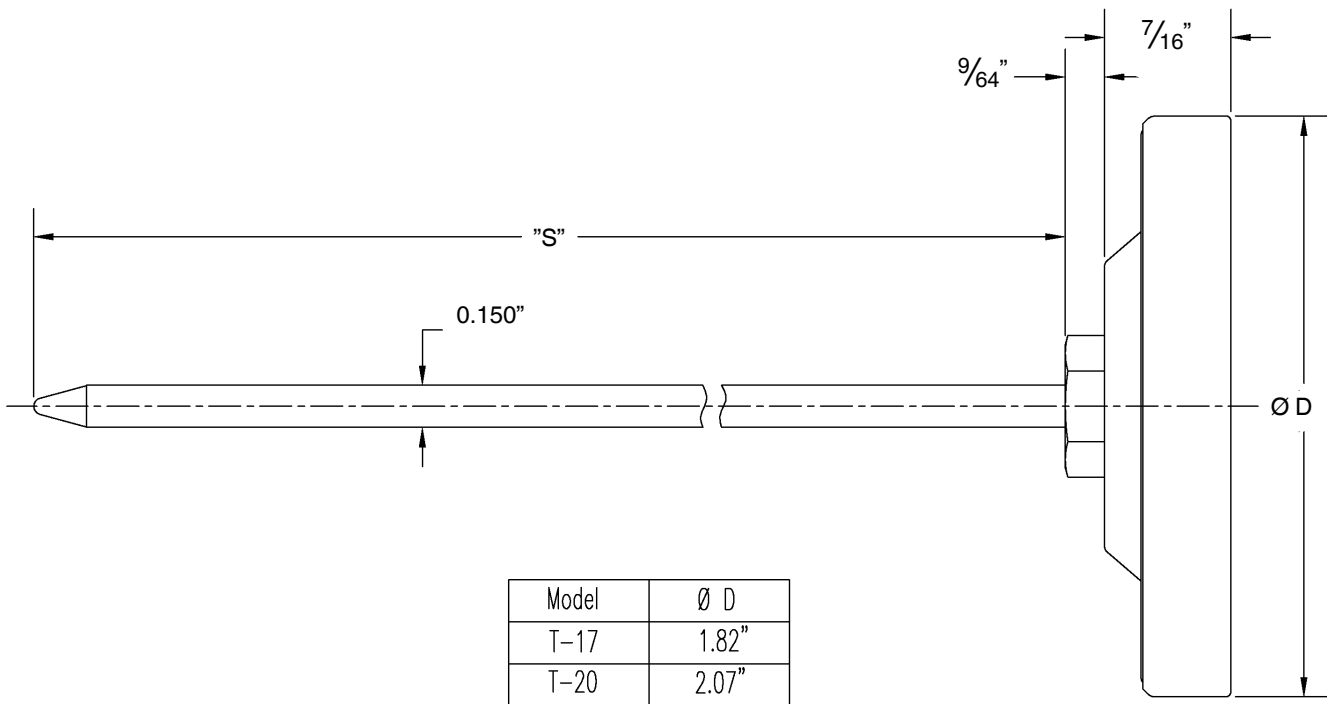
- Special stem lengths
- Special threaded connections
- Special scales and dial markings
- Lexan window
- Sharp tip on end of stem
- Beaker clip

Warranty

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

Code	Description	°C Only	°F Only
03 ¹⁾	25/125°F & -5/50°C	0/50°C	25/125°F
04 ²⁾	0/140°F & -20/60°C	N/A	0/140°F
05 ²⁾	0/200°F & -15/90°C	0/100°C	0/200°F
08	50/300°F & 10/150°C	0/150°C	50/300°F
10 ²⁾	50/500°F & 10/260°C	0/250°C	50/500°F
11	150/750°F & 65/400°C	0/300°C	150/750°F
19 ²⁾	-40/160°F & -40/70°C	-40/70°C	-40/160°F
24 ²⁾	0/220°F & -10/110°C	-10/110°C	0/220°F
34 ²⁾	0/180°F & -18/82°C	-18/82°C	0/180°F

1) Minimum 3" stem - all connectors
 2) Minimum 3" stem threaded connections



Model	Ø D
T-17	1.82"
T-20	2.07"

"S"=Stem Length

Specifications and dimensions provided in this data sheet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.



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