

Twin-Temp Thermometer

Twin-Temp Transmitting Accessories and Options

Models TT.32 & TT.52

WIKA Datasheet TT.32/TT.52

Applications

Designed for applications requiring local readability using a mechanical measuring element while affording an additional means of electronic data acquisition from the same instrument.

Sizes

3" (76.2 mm) - Type TT.32
5" (127 mm) - Type TT.52

Accuracy

± 1.0% of measurement range

Ranges

-40°F to 550°F (and equivalent °C)
* 0°F to 750°F with T/C K

Over/Under Range Protection

Temporary over or under range of 50% (maximum exposure 500°F)

* Accept high temp T/C K option

Standard Features

Connection

Material: 304 SS
Type TT.32 and TT.52 - All angle
1/2" NPT standard

Stem

Material: 304 SS
Diameter: 1/4" (6.35 mm)
Length: T/C : 2 1/2" to 48" (63.5 mm to 1,219.2 mm)
RTD: 4" to 48" (63.5 mm to 1,219.2 mm)

Measuring Element (Mechanical)

Bi-metal helix

Measuring Element (Electrical)

Thermocouple

Type J, K, E, T Grounded Junction Thermocouple standard

RTD

Platinum 100-ohm, DIN curve (0.00385 Ohm/Ohm/°C)
(3 wire standard configuration)

Case

Material: 304 stainless steel
External reset slotted hex head on back of case

Dial

White aluminum, dished, with black markings



Twin-Temp Model TT.52 shown

Pointer

Black aluminum

Standard Scales

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

Window

Flat instrument glass

Order Options

Weather-proof Housing and Plug
7/8-20 UNEF threaded barrel with bushing and compression nut. Provides environmental protection to thermocouple/RTD connection.

Electrical Connection With Lead Wire (1/2 NPT)

Available in thermocouple or RTD in 6" increments. Allows for site installation using other enclosures or piping systems.

Thermocouple Enclosure Head

A protective enclosure threads onto the optional 1/2 NPT electrical connection. The housing protects electrical connections from the environment. Houses a 4-20 mA transmitter or terminal block. Aluminum housing is standard.

Terminal Block

Provides a connection point for the thermocouple or RTD. Mounts in thermocouple head with 2 screws.

4-20 mA Transmitter

Refer to transmitter specifications

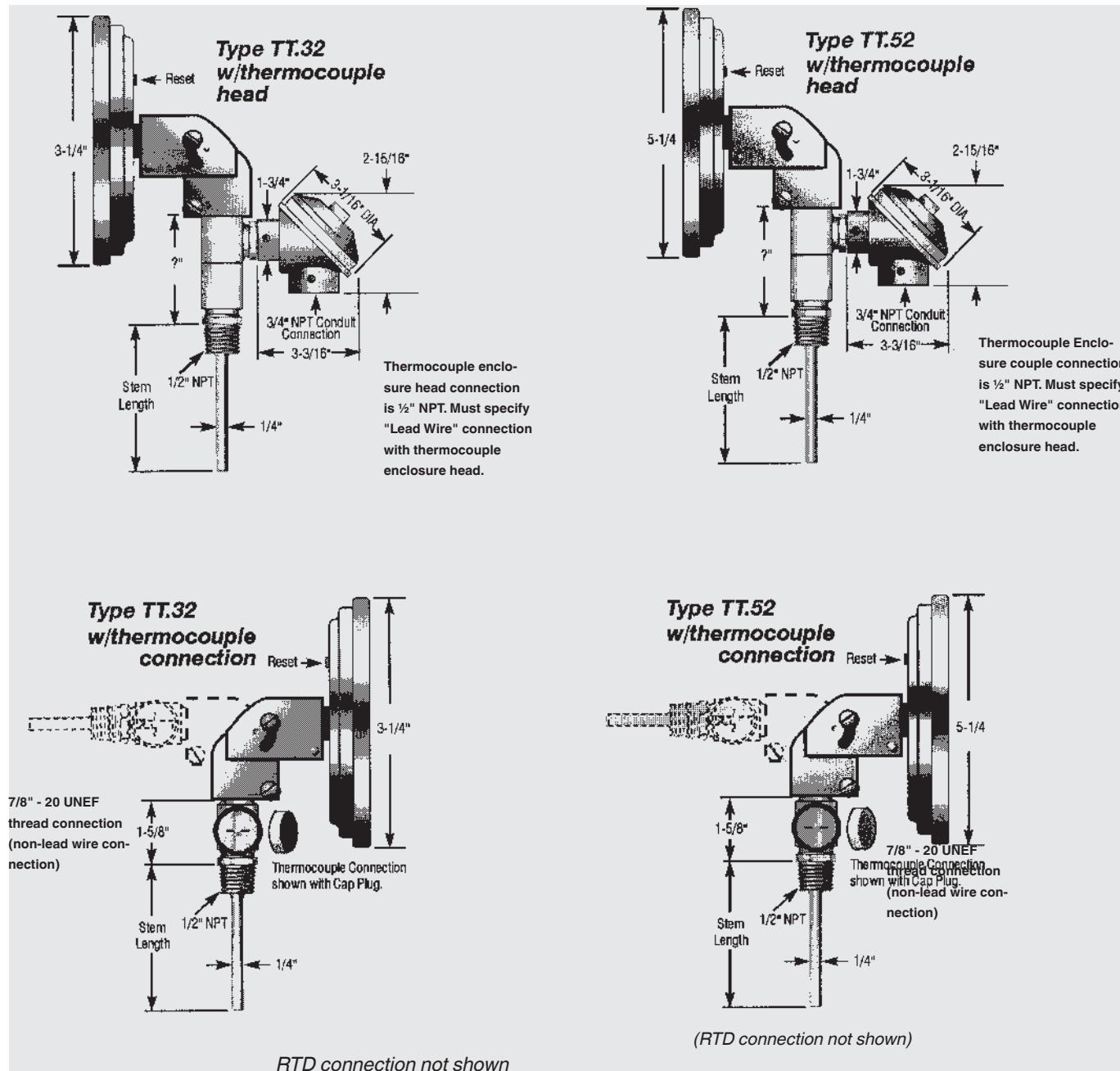
Additional Options

Thermowells

Acrylic, Lexan, and safety glass window

Calibration certification traceable to NIST

Dimensions:



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