

Solar Digital Twin-Temp Thermometer Model TT.80 with back connection, Model TT.82 all angle back connection

WIKA Datasheet TT.80/TT.82

Applications

- Power Generation
- Chemical Processing
- Anywhere temperature processes is monitored locally and remotely

Standard Version

Accuracy

Two sensors acting individually at $\pm 1\%$ full scale
Accuracy allowing for a difference in reading of $\pm 2\%$

Connection

Material: 304 SS
TT.80: back connection
TT.82: all angle back connection
1/2" NPT standard

Stem

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

Measuring Element (Solar)

Ceramic thermister, 3-volt solar cell

Light required

35 LUX

Circuitry

15 second update time, patented safety circuit prevents false readings

Measuring Element (Electrical)

Thermocouple

Type K grounded junction thermocouple standard
(Type J, E, and T available)

RTD

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

Window

Flat instrument glass

Dial Size 3"



Solar Digital Twin-Temp Model TT.82 shown

Order Options

Electrical Connection With Lead Wire (1/2 NPT)

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

Thermocouple Enclosure Head (Shown)

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.

Terminal Block

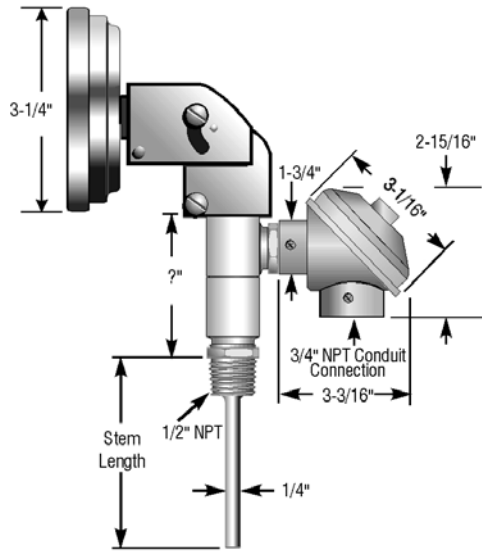
Provides a connection point for the thermocouple or RTD. Mounts in thermocouple head with 2 screws.

4-20 mA Transmitter

Refer to transmitter specifications

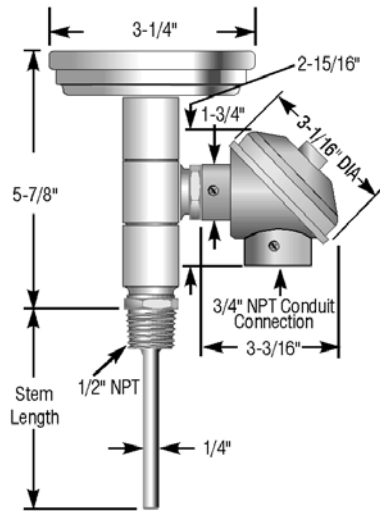
Warranty

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



Thermocouple enclosure head connection is 1/2" NPT.
3/4" field wire connection.

TT.82
w/conduit head



Thermocouple enclosure head connection is 1/2" NPT.
3/4" field wire connection.

TT.80
w/conduit head



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