

Thermocouple Probes and Wires

All probes on this page have standard subminiature thermocouple connectors and plug directly into HOBO® Thermocouple Family loggers. The connectors are color-coded for type J (black), K (yellow), and T (blue) thermocouples according to the ANSI standard. Note that the accuracy specifications below are for the probes only, and must be added to the logger's accuracy to determine the combined measurement accuracy.

Beaded Thermocouple Probes on Spool Caddies

These exposed-junction thermocouple probes include 6' of insulated 30-AWG wire wound on an integrated spool caddy/subminiature connector.

Specifications

Type J

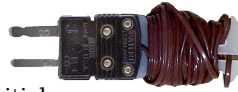
Range:

+32°F to +482°F (0°C to +250°C)

Teflon Insulation*

Initial Accuracy:

±2°F (±1.1°C)



Type K

Range:

+32°F to +545°F (0°C to +285°C)

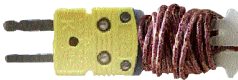
+545°F to +900°F (+285°C to +482°C)

Glass Braid Insulation**

Initial Accuracy:

±2°F (±1.1°C)

±0.4%***



Type T

Range:

-330°F to -85°F (-200°C to -65°C)

-85°F to +270°F (-65°C to +130°C)

+270°F to +356°F (+130°C to +180°C)

Teflon Insulation*

Initial Accuracy:

±0.8%***

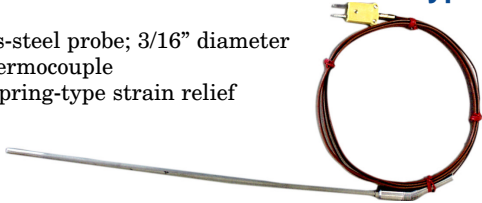
±0.9°F (±0.5°C)

±0.4%***



High-Temperature Stainless-Steel Probe - Type K

- 12" 304 stainless-steel probe; 3/16" diameter with isolated thermocouple
- 1" handle with spring-type strain relief
- 6' 19-AWG cable



Specifications

Range:

+32°F to +559°F (0°C to +293°C)

+559°F to +1650°F (+293°C to +900°C)****

Initial Accuracy:

±4°F (±2.2°C)

±0.75%***

* Teflon insulation is rated up to +400°F (+200°C) continuous, and +482°F (+250°C) for 24 hours.

** Glass braid is rated up to +900°F (+482°C) continuous, and +1000°F (+537°C) for single exposure.

*** Percentage is of degrees above or below ice point (+32°F or 0°C).

**** Probe is rated up to +1650°F (+900°C) continuous, and +2282°F (+1235°C) for one-hour exposures.

Subminiature Thermocouple Connectors

- Accept stranded or solid wire up to 20 AWG
- Internal silicone grommet for strain relief
- Captive cover screws
- Write-on window
- Type J, K, and T versions available



Type J



Type K



Type T

Thermocouple Wires

100' coils of insulated 24-AWG thermocouple wire

Specifications

Type J

Range:

+32°F to +482°F (0°C to +250°C)

Teflon Insulation*

Initial Accuracy:

±4°F (±2.2°C)

Type K

Range:

+32°F to +545°F (0°C to +285°C)

+545°F to +900°F (+285°C to +482°C)

Glass Braid Insulation**

Initial Accuracy:

±4°F (±2.2°C)

±0.75%***

Type T

Range:

-330°F to -85°F (-200°C to -65°C)

-85°F to +270°F (-65°C to +130°C)

+270°F to +356°F (+130°C to +180°C)

Teflon Insulation*

Initial Accuracy:

±1.5%***

±1.8°F (±1°C)

±0.75%***



Warranty: Thermocouple probes, connectors, and wires are warranted for manufacturing defects on receipt only.

Ordering Information

Description	Part No.	Qty. 1-9	10-99	100+
6' Beaded Thermocouples				
Type J w/ connector	TC6-J	\$15	\$14	\$13
Type K w/ connector	TC6-K	\$15	\$14	\$13
Type T w/ connector	TC6-T	\$15	\$14	\$13

12" Stainless-Steel Probe Thermocouple

Type K w/ connector	TCP6-K12	\$35	\$33	\$30
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100' of 24-AWG Thermocouple Wire

Type J	TCW100-J	\$55	\$51	\$47
Type K	TCW100-K	\$55	\$51	\$47
Type T	TCW100-T	\$55	\$51	\$47

Subminiature Connector

Type J	SMC-J	\$4	-	-
Type K	SMC-K	\$4	-	-
Type T	SMC-T	\$4	-	-

4905-A Therm Probe Wires