



## THERMOCOUPLE PROBES TT002

### New Artisan™ Thermocouple Probes

These new thermocouple probes are designed with a convenient molded handle for provide fast, accurate temperature measurement in a wide range of applications. The color-coded coiled cables have a molded mini-connector that meets the ANSI thermocouple standards.

Monitor the temperature for perishable food, laboratory products, HVAC setups and many other products to ensure top quality. A wide range of probes are offered to meet your application requirements. Select from grounded probes for faster response, ungrounded probes for electrical isolation.

Glass-filled polypropylene handles measure 5" (127mm) L x 1" (25mm) diameter. Include 5-ft coiled PVC cable with spring strain relief.

To use, simply plug the thermocouple plug into the proper connector on your meter. The ARTISAN™ TT1200 and TT2210 meters are ideal meters to use with these low-cost probes.



Type K  
Type J  
Type T

Surface, Air, Penetration and General-Purpose designs

**SPECIAL FEATURES**  
*Special application designs*  
*Color-coded coiled cable and molded plug*  
*Low-cost, high-accuracy design*  
*Extension cables for longer lengths*

**APPLICATIONS**  
*HVAC setups*  
*Food Preparation*  
*Laboratory Research*  
*Preventive maintenance*

**Custom designs are available.  
 Please contact us for special design requests.**

#### TT002 General Purpose Probe Ordering Information

Ideal for use with liquids, gases and semisolids. Probe is 5"(127mm) L x 0.155"(3.9mm) dia.

Part No.	Type	Temperature Range
TT002.001	K	-250 to 899°C (-418 to 1650°F)
TT002.101	J	-190 to 760°C (-310 to 1400°F)
TT002.201	T	-250 to 400°C (-418 to 752°F)

**Extra Long Probes** - 36"(915mm) L x 0.25(6.4mm) dia.

TT002.011	K	-250 to 899°C (-418 to 1650°F)
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**Junction:** grounded  
**Time Constant:** 3 seconds (liquids)  
**Response Time:** 15 sec (liquids)  
**Materials:** 316 SS Sheath, Polypropylene handle, PVC cable



# TT002 Thermocouple Probes

## TT002 Air/Gas Probe Ordering Information

Ideal for use with liquids, gases and semisolids. Probe is 8.5”(216mm) L x 0.156”(3.9mm) dia.

Part No.	Type	Temperature Range
TT002.003	K	-250 to 537°C (-418 to 1000°F)
TT002.103	J	-190 to 537°C (-310 to 1000°F)
TT002.203	T	-250 to 537°C (-418 to 1000°F)

**Junction:** exposed; isolated  
**Time Constant:** 45 sec @ 5m/s airflow  
**Response Time:** 225 sec @ 5m/s airflow  
**Materials:** 316 SS Sheath & sleeve, Polypropylene handle, PVC cable



## TT002 Surface Probe Ordering Information

Ideal for use a wide range of flat surfaces. Probe body is 10”(254mm) L x 0.156”(3.9mm) dia.

Part No.	Type	Temperature Range
TT002.004	K	-250 to 650°C (-418 to 1200°F)
TT002.104	J	-190 to 650°C (-310 to 1200°F)
TT002.204	T	-250 to 340°C (-418 to 650°F)

**Junction:** exposed  
**Time Constant:** 6 seconds (liquids)  
**Response Time:** 30 sec (liquids)  
**Materials:** Aluminum housing, Ceramic support, PVC cable



## TT002 Penetration Probe Ordering Information

Ideal for use with soft or semisoft materials. Probe is 4”(102mm) L x 0.156”(3.9mm) dia.

Part No.	Type	Temperature Range
TT002.005	K	-250 to 899°C (-418 to 1650°F)
TT002.105	J	-190 to 760°C (-310 to 1400°F)
TT002.205	T	-250 to 400°C (-418 to 750°F)

**Junction:** grounded  
**Time Constant:** 5 seconds (liquids)  
**Response Time:** 25 sec (liquids)  
**Materials:** 316 SS Sheath, Polypropylene handle, PVC cable



## TT002 Flexible Insulated Wire Probe Ordering Information

Ideal for use with special applications. FEP sensor is covered with Teflon FEP for chemical resistance.

Part No.	Type	Temperature Range	Length	Cable	Junction	Time Con	Resp Time
TT002.050	K	-250 to 105°C , (-418 to 221°F)	3-ft	PVC (20 ga.)	Exposed	3 sec	15
TT002.051	K	-250 to 204°C (-418 to 400°F)	10-ft	Teflon FEP (24 ga.)	Ungrounded	3 sec	15
TT002.052	K	-250 to 1400°C (-418 to 2500°F)	5-ft	Ceramic (20 ga.)	Exposed	3 sec	15

## TT001 Extension Cable Ordering Info.

Extend the cable on your thermocouple. PVC.

Type	10-ft Part No.	50-ft Part No.
K	TT001.900	TT001.901
J	TT001.902	TT001.903
T	TT001.904	TT001.905

## For more information contact:

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