

9821-PBN Thermocouple Thermometer with K-Type Stepdown Probe Instructions

Thank you for purchasing a Taylor® Thermocouple Thermometer with K-type Stepdown Probe. Please read this instruction manual carefully before use. Keep these instructions handy for future reference. Please remember to keep the unit away from children and do not use it for safety related applications.


THERMOCOUPLE PROBE

The K-type thermocouple probe is used to measure internal food temperature quickly and accurately. To use, insert the plug of a K-type thermocouple probe into the thermocouple socket on the unit.

THERMOCOUPLE PROBE FUNCTION

After installing the probe, press and hold the 'ON/HOLD' button for 2 seconds to turn the unit on. Then simply insert the probe into the food to be measured for a reading. The unit will continuously display temperatures for up to 4 minutes. After that, the unit will automatically shut off to preserve battery life. Press the 'ON/HOLD' button again to hold the last temperature. 'Hold' will show on the display and the last measurement will remain visible for 15 seconds before the unit turns off. Or, press the 'ON/HOLD' button again and the thermometer is free reading again.

1. Placing stress on the probe may cause breakage.
 2. After measuring high temperatures, the probe may remain HOT for a while. Allow the probe to cool before touching.
 3. Use caution while handling the probe to avoid injury. Keep probe out of reach of children.
- The probe may be damaged if used to measure a temperature that exceeds the specification of the measurement temperature range.

 To avoid electric shock and thermometer damage, do not measure a live circuit where the voltage exceeds 24V AC RMS or 60V CD with the thermocouple probe.

°C OR °F MODE

To switch between "°F" and "°C", press the 'ON/HOLD' button to turn the unit on, then press and hold the 'ON/HOLD' button for 2 seconds to activate the 'LOCK' mode. Press the '°C/ °F' button to switch between temperature scales. Press 'ON/HOLD' to select the temperature scale and return to the temperature display.

Recalibration

If recalibration is necessary, open the battery door. For best results suspend probe at least 1" into a 'slush' of crushed ice and water (32° F) for at least 30 seconds. Keep the probe from touching the container bottom or sides. Use a screwdriver to turn the brown plastic wheel in the battery compartment to set the calibration back to 32°F/0°C. Replace the battery cover.

LCD ERROR MESSAGES

The thermometer incorporates visual diagnostic messages as follows:



'Hi' or 'Lo' is displayed when the temperature being measured is outside of the measurement range.



'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature.



'Er3' is displayed when the ambient temperature of the thermometer exceeds +32°F (0°C) OR +122°F (+50°C). The thermometer should be allowed plenty of time (minimum 30 minutes) to stabilize to the working/room temperature.



For all other error messages it is necessary to reset the thermometer. To reset the thermometer, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains, please contact Customer Service for further assistance.

BATTERY

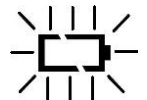
The thermometer operates on 2 AAA batteries (included). The thermometer incorporates visual low battery warnings as follows:



'Battery OK': measurements are possible



'Battery Low': battery needs to be replaced, measurements are possible



'Battery Exhausted': measurements are not possible

BATTERY INSTALLATION OR REPLACEMENT

This thermometer comes with batteries installed. Remove the plastic strip under the battery cover before first use.

1. Using a coin loosen the screw on the back of the unit and pry off the battery door (the screw will not come out).
2. Insert 2 AAA batteries into the battery compartment according to the "+" and "-" polarity symbols.
3. Replace the battery door and tighten the screw.

When the 'Low Battery' icon indicates the battery is low, or the readings grow dim or irregular, the batteries should be replaced immediately. Please note: It is important to turn the instrument off before replacing the batteries, otherwise the thermometer may malfunction. If this occurs, restart the unit. Always replace both batteries at the same time; do not combine old and new batteries. Do not mix Alkaline, carbon-zinc (standard) or Nickel-Cadmium (rechargeable) batteries.

NOTE: Please recycle or dispose of batteries per local regulations.
WARNING: Batteries may pose a choking hazard. As with all small items, do not let children handle batteries. If swallowed, seek medical attention immediately.
PRECAUTION: Do not dispose of batteries in fire. Batteries may explode or leak. Remove the batteries if the unit will not be used for a long period of time.

STORAGE & CLEANING

Take care when cleaning the thermometer, using only a soft cloth or cotton swab with water or medical alcohol, and allow the thermometer to fully dry before using it. Do not submerge any part of the thermometer. The thermometer should be stored at room temperature between -4 to +140°F (-20 to +60°C).

THERMOCOUPLE SPECIFICATIONS


| | |
|-------------------|--|
| Temperature Range | -58° to 392°F / -50° to 200°C |
| Resolution | 0.1°F; 0.1°C up to 199.9°F (199.9°C) then 1°F (1°C) |
| Accuracy | +/- 1% of reading or 1.8°F (1°C), whichever is greater |
| Outlet | K-Type Probe |

K-TYPE PROBE STEPDOWN SPECIFICATIONS

| | |
|---------------|-----------|
| Response Time | 5 seconds |
| Probe Length | 3.9" |

EMC/RFI

Readings may be affected if the unit is operated within a radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

 DO NOT keep the unit too close to objects that continuously generate high heat (such as a hot plate) for long periods of time. This may cause the unit to overheat.

CARE AND PRECAUTIONS

1. Always read instructions thoroughly to ensure that you have the full benefit of all the unit's features.
2. Keep thermometer and probe out of reach of all children.
3. DO NOT immerse unit in water, as doing so will cause damage to internal components and void the warranty. If you spill liquid on it, dry it immediately with a soft, lint-free cloth. The unit is not dishwasher safe. Damage will void warranty.
4. DO NOT clean the unit with an abrasive or corrosive material. This may scratch the plastic parts and corrode the electronic circuits.
5. DO NOT subject the units to excessive force, shock, dust, temperature or humidity. This may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
6. DO NOT operate or store the unit in high temperature or humidity conditions. The heat or moisture may interfere with the unit's internal components. Store the unit at temperatures between -4 and +140°F (-20 and +60°C).
7. DO NOT tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause damage. The unit contains no user-serviceable parts.

One Year Limited Warranty

Taylor warrants this product to be free from defects in materials or workmanship for one (1) year (excluding batteries) for the original purchaser from date of original purchase. It does not cover damages or wear resulting from accident, misuse, abuse, or unauthorized adjustment and/or repair. If service is required, do not return to distributor. For service, call between 8:00 AM and 5:00 PM, Mountain Standard Time, Monday through Friday. To assist us in servicing you, please have the model number and date of purchase available. Should this product require service (or replacement at our option), please pack the item carefully and return it prepaid, along with receipt showing date of purchase and a note explaining reason for return to:

Taylor Precision Products
2220 Entrada del Sol, Suite A
Las Cruces, New Mexico 88001
Customer Service Phone: 1-800-225-4834
Customer Service Fax: 1-575-526-4347
www.taylorusa.com

There are no expressed warranties except as listed above. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

For additional product information, or warranty information outside the USA, please contact us through www.taylorusa.com.

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Made to our exact specifications in China.

