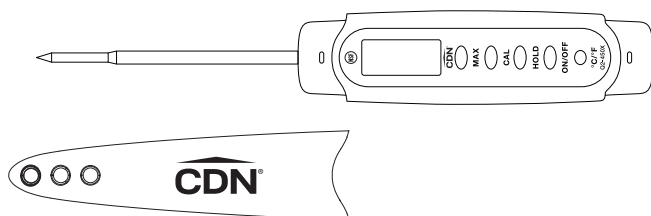


HEAVY DUTY THIN TIP THERMOMETER

-40 to +450°F/-40 to +230°C

FOR THIN CUTS OF MEAT AND GENERAL PURPOSE COOKING

- NSF[®] Certified
- 4-second response
- Waterproof (IPX6)
- One-button field calibration
- 1.5 mm thin tip
- Accuracy: $\pm 2^\circ\text{F}$ (1°C)
- Hold
- Max
- Shatterproof
- Big digit
- On/off button
- Auto-off
- Selectable units
- BioCote[®] antimicrobial
- Temperature guide
- Sheath can be used as handle extension
- 2.75" (7.0 cm) stem
- 2-way mounting: pocket clip, rope
- Battery & instructions included



Note: Remove label from display before initial use.

Pro
Accurate[®] NSF BioCote[®]
Quick-Read[®]

Note: In the following instructions, names of the control buttons are shown in CAPS. Function information that appears on the display is shown in **BOLD CAPS**.

BATTERY INSTALLATION

The battery is installed. Replace battery when LCD becomes dim.

1. Remove battery cover on the back with a coin.
2. Install one LR44 battery with positive (+) side up.
3. Replace the battery cover.

WARNING

- **INGESTION HAZARD: DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- KEEP new and used batteries **OUT OF REACH OF CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.
- For treatment information call: [phone number for the National Battery Ingestion Hotline, currently 1-(800) 498-8666].



- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- The compatible battery type is LR44.
- The nominal battery voltage of the LR44 is 1.5V.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 104°F (40°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery



compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

OPERATING INSTRUCTIONS

A. Temperature Measurement

1. Press the ON/OFF button to turn the Q2-450X on.
2. After use, press the ON/OFF button to turn the Q2-450X off and conserve battery life.

B. Auto-off

The Q2-450X automatically turns off after 10 minutes of inactivity.

C. Temperature Scale

Press the °F/°C button to select temperature reading in Fahrenheit or Celsius.

D. Hold

Before withdrawing the Q2-450X from the food, press the HOLD button. This will “hold” the reading until pressed again. **HOLD** appears to the right of the reading on the display.

E. Max

Max mode is always working behind the scenes, continually storing the highest temperature.

1. Press the MAX button to display the highest temperature. **MAX** appears on the display.
2. The display automatically returns to the temperature mode after a few seconds.
3. Press the MAX button for 3 seconds or more to clear the stored MAX value.

F. Field Calibration

1. Fill a 1 cup measuring container with a slurry of ice water using 3 parts crushed ice to 1 part water.
Note: It is very difficult to get a 32°F (0°C) ice water temperature. It will probably be closer to 34°F (1°C).
2. Allow to stand for 3-5 minutes.
3. Immerse the stem into the middle of the ice slurry to a depth of at least 2 inches (5 cm).
Do not let the stem touch the bottom of container.
4. Press the CAL button for 2 seconds. The display will be blank for 2 seconds.
5. Release the CAL button and **32.0°F (0°C)** appears on the display.
Note: To avoid accidental recalibration, this function only works when the water temperature is 30 to 34°F (-1 to +1°C).
ERR will appear for 2 seconds if the water is not within this range and then return to the temperature display mode.

Note: Clean the thermometer stem before each use.

Important: DO NOT LEAVE IN HOT OVEN OR MICROWAVE. HAND WASH AND DRY. DO NOT IMMERSER THERMOMETER CASE IN LIQUID.

Note for Induction Cooktops: Sometimes, the induction cooktop magnetic field may interfere with digital thermometers. If there is interference, briefly turn off the induction cooktop to get a digital thermometer reading or use a dial thermometer.

Tip: Meat should be allowed to “rest” for 10 to 15 minutes after it is removed from oven. This allows time for the meat’s internal temperature to stabilize and the juices to redistribute. This will result in a roast that is both juicier and easier to carve.

CARE OF YOUR PRODUCT

- Do not submerge any part of the thermometer in water.
- Wipe clean with a damp cloth.
- Store the thermometer at room temperature between -4 to +149°F (-20 to +65°C).

PRECAUTIONS

- Always wear a heat resistant glove to touch the stainless steel stem during or just after cooking.
Do not touch with bare hands.
- Dispose of used batteries promptly and keep the batteries and thermometer away from children.
- Avoid subjecting the stem or thermometer to an open flame on the BBQ.
- Avoid submerging the stem past the junction (where the stem meets the case) or the case itself. The junction and/or case are not waterproof.
- Avoid subjecting the stem and/or thermometer to temperatures over 450°F (230°C).
- Clean the stem and thermometer with warm soapy water and dry thoroughly after use.
- Avoid cleaning the unit with an abrasive or corrosive compound, which may scratch the plastic parts and corrode the electronic circuits.
- Avoid subjecting the thermometer to excessive force, shock, dust, temperature, direct sunlight or humidity. This may result in thermometer malfunction, shorter electronic life span, battery damage and/or distort parts.
- Avoid tampering with the thermometer’s internal components, which may cause battery damage and distort parts.
- Avoid immersing case into water or exposure to heavy rain. **The case is not submersible.**
- Do not use the thermometer in microwave oven.
- Always read the user manual thoroughly before operating.

SPECIFICATIONS

Measurement Range	-40 to +450°F/-40 to +230°C
Unit of Measure	°F, °C
Resolution	0.1°F (0.1°C)
Operating Range	32 to 104°F (0 to 40°C), ≤90% RH
Water Resilience	IPX6 – powerful water jets (12.5mm nozzle) from any direction
Accuracy	±2°F (1°C)
Power Supply	One LR44 alkaline battery
Product Dimensions	1.625 W x 6.125 L x 1.375 D in (4.1 W x 15.6 L x 3.5 D cm)
Weight	1.2 oz (34 g) (including battery)



Antimicrobial properties are built-in to inhibit the growth of bacteria that may affect this product. According to EPA guidelines we cannot claim that the antimicrobial properties in this product protect users or others against bacteria, viruses, germs, or other disease organisms.

This product does not protect users or others against food-borne bacteria. Always clean and wash this product thoroughly before and after each use.

The information in this document has been reviewed and is believed to be accurate. However, neither the manufacturer nor its affiliates assume any responsibility for inaccuracies, errors or omissions that may be contained herein. In no event will the manufacturer or its affiliates be liable for direct, indirect, special, incidental or consequential damages arisen by using this product or resulting from any defect/omission in this document, even if advised of the possibility of such damages. The manufacturer and its affiliates reserve the right to make improvements or changes to this document and the products and services described at any time, without notice or obligation.



5-Year Limited Warranty: Any instrument that proves to be defective in material or workmanship (excluding batteries) within five years of original purchase will be repaired or replaced without charge upon receipt of the unit prepaid at: CDN, PO Box 10947, Portland, OR 97296-0947 USA. This warranty does not cover damage in shipment or failure caused by failure to adhere to the accompanying instructions, inadequate maintenance, normal wear and tear, tampering, accident, misuse, unauthorized modification, obvious carelessness or abuse. CDN shall not be liable for any consequential or incidental damages whatsoever.

USDA SAFE FOOD TEMPERATURES

- * Beef, Veal, Lamb – well 160°F . . 71°C
 - * Beef, Veal, Lamb – medium. . . 145°F . . 63°C
 - * Beef, Veal, Lamb – rare 140°F . . 60°C
 - Poultry 165°F . . 74°C
 - * Pork/Ham – pre-cooked 145°F . . 63°C
 - Ground Meat 160°F . . 71°C
- * 3 minutes rest time

CE Note: This device could be sensitive to electrostatic discharge. If electrostatic discharge or malfunctioning occurs, please re-install the battery to reset this unit.



For more detailed information on our products, please visit CDNmeasurement.com or call 800-338-5594.