

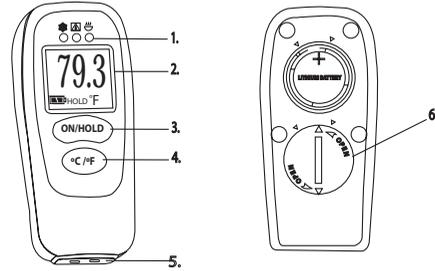
300SC HACCP Check Thermocouple Kit Operating Instructions

Information that is useful and important for understanding the function of the HACCP Check Thermocouple is highlighted in the following instructions.

Powered by 2 replaceable lithium batteries, the thermometer is a handy, temperature measurement device for a whole range of measurement and control applications. Most noticeably, the unique HACCP CHECK feature is the quickest and easiest way to see if your holding units are in line with HACCP guidelines.

It has three icons which instantly show you when you are in the safe cold holding, safe hot holding or danger zones for food safety. The HACCP CHECK feature is incorporated in our thermometer temperature to graphically indicate critical temperature zones. The icons and LED indicators located above the display indicate whether a food product stays in a safe or unsafe HACCP “Danger Zone” temperature.

1. LED (HACCP Zone Display)
2. LCD (Display with Backlight)
3. ON/HOLD
4. °C/°F
5. K type, socket
6. Battery cover

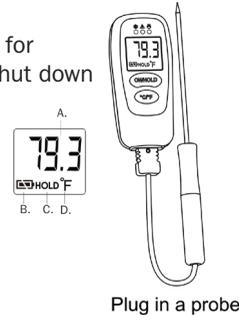


Special Features:

- HACCP Zone
- Splash Proof (IP54)
- **Bonus 2 extra lithium batteries**

OPERATION

1. To switch the thermometer on, keep **ON/HOLD** button pressed for approximately one second. To turn off press **ON/HOLD**, auto shut down after 15 seconds.
2. All necessary information is displayed on the LCD. The individual symbols have the following meanings:
 - A. Display for current measured values
 - Minus sign (negative measured values)
 - B. Battery status indicator
3. **HOLD** – auto shut down after 15 seconds
4. **Temperature measuring unit**
3. Measuring temperature: Select the required unit of measurement °C or °F. **°C/°F can be changed only when “Hold” is shown.**
4. Position the tip of the thermocouple where you wish to measure the temperature and press the **ON/HOLD** button. Wait till the temperature has stabilized and subsequently read the value from the display. Now, the current temperature is displayed for about 4 min. If you press **ON/HOLD** a second time, the word **“HOLD”**, appears on the LCD.



*The last measured value is frozen and the thermometer deactivates itself automatically after about 15 seconds to save battery power.

CAUTION

The thermometer should be protected from the following:

1. Electromagnetic field
2. “Thermal shock” caused by large or abrupt ambient temperature changes
 - allow 30 minutes for unit to stabilize before use when exposed to “thermal shock”.

3. Do not leave the unit on or near objects of high temperature.
4. Keep out of reach from children.

STORAGE & CLEANING

Clean the device with a damp cloth using sanitizer. Do not use any solvents such as acetone as it will corrode the plastic. Isopropyl alcohol may be used to disinfect*. Do not submerge any part of the thermometer. The thermometer should be stored at room temperature. Instant probe sanitizing wipes available, please call 1-800-387-8520.

HACCP CHECK

The HACCP CHECK feature is incorporated in our thermometer temperature to graphically indicate critical temperature zone. The icons and LED indicators located above the display indicating a food product stays in a safe or unsafe HACCP “Danger Zone” temperature. The green and red LED light will always be lit before power off. A Green LED appears with icon “❄” indicating a safe cool or frozen condition below 40°F (4°C) or appears with icon “☺” indicating a safe holding temperature above 140°F (60°C). When temperature is between 40°F to 140°F (4°C to 60°C), the red LED with icon “⚠” will appear and indicate that the temperature is within the HACCP “Danger Zone” from 40°F to 140°F (4°C to 60°C).

HACCP		
❄	⚠	☺
●	●	●
↓4°C	4 - 60°C	↑60°C
↓40°F	40 - 140°F	↑140°F

LCD ERROR MESSAGES

The thermometer incorporates visual diagnostic messages as follows:

「E-2」	Is displayed when the thermometer is exposed to rapid changes in the ambient temperature.
「E-3」	Is displayed when the ambient temperature exceeds 32°F (0°C) to 50°C (122°F). The thermometer should be allowed, minimum 30 minutes, to stabilize to the working/room temperature.
「Er」	Error 5 - 9, for all other error messages it is necessary to reset the thermometer. To reset it, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on.
「Hi」, 「Lo」	‘Hi’ or ‘Lo’ is displayed when the temperature being measured is outside of the measurement range.

BATTERIES

The thermometer incorporates visual low battery indication as follows:



Battery OK
measurements are possible



Battery Low
battery needs to be replaced, measurements are still possible



Battery Exhausted
measurements are not possible

BATTERY REPLACEMENT

There are two CR2032 lithium cells located under the twist cover at the back of the thermometer, the upper one is for measurement, the lower one is for LED and backlight. If the ‘Low Battery’ icon indicates the battery is low, please replace the upper one. If LED or backlight is dark or off, please replace the lower one with the provided spare batteries.

- It is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction.
- After replacing the new battery, the o-ring on the battery cover must be well fixed before placing back the cover to make sure that the device is splash proof.
- Dispose of used battery properly and keep away from children.

SPECIFICATION

Unit Measurement Range	-83.2°F to 1999°F (-64°C to 1400°C) - K type, Socket
Probe Range	-83.2°F to 932°F (-64°C to 500°C)
Operating Range	32°F to 122°F (0°C to 50°C)
Accuracy (Tamb=25°C)	+/-1% of reading or 1°C (1.8°F) whichever is greater
Resolution (-9.9°C to 199.9°C)	0.1°C/0.1°F
Battery Life	TCP:100 hours continuous use
Dimensions	100.56 x 44.7 x 19.88 mm (3.96 x 1.76 x 0.78 inch)
Weight	55.3 grams (1.95 oz) including 2 CR2032 lithium cells
** The thermometer will automatically shut off if left idle for more than 15 seconds.	

⚠ The measurement range is for thermometer only. User should choose proper probe types for different kinds of application. Please make sure the target to be measured will not exceed the temperature range of the probe to avoid permanent damage of the thermocouple probe.

⚠ CAUTION

To avoid electric shock and thermometer damage, do not measure live circuit where voltage is present.

⚠ EMC/RFI

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

TWO YEAR WARRANTY:

If this product proves to be defective in material or workmanship within two years of purchase, please return it to the address below. It will be repaired or replaced without charge upon receipt of the unit prepaid with \$5.00 to cover handling, packaging and return postage. Please include proof of purchase, your full name, address, daytime phone number or email address.



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