Four probe wireless BBQ thermometer manual

Model: CH-216

Product Specifications
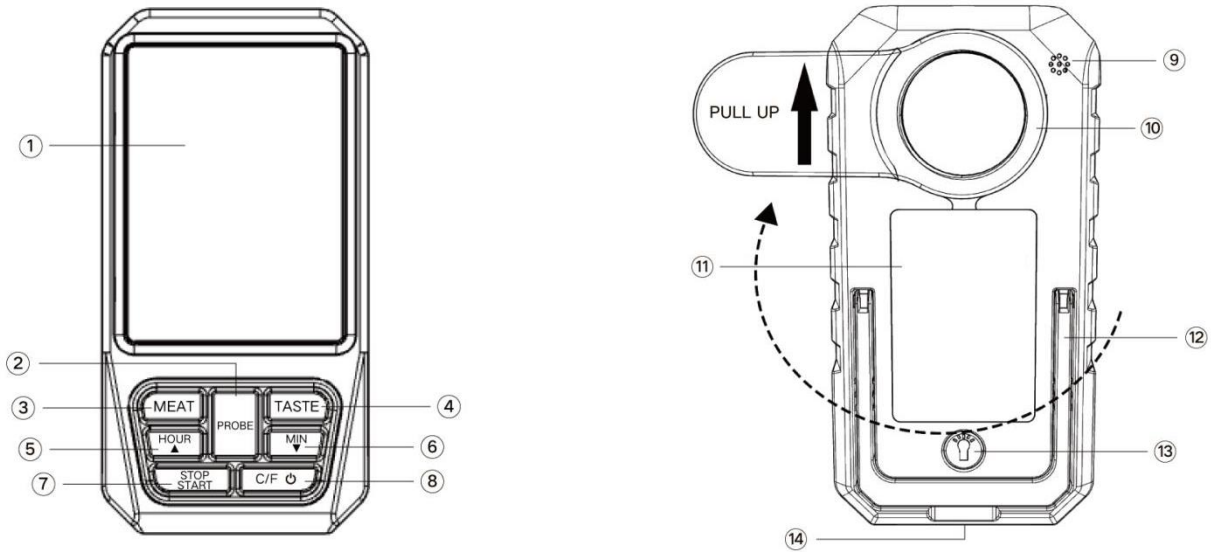
- Receiver : PROBE ; MEAT ; TASTE ; HOUR/▲; MIN/ ▼; START/STOP; ℃/℉/ ⏻ ; ☀
- Launcher : ℃/℉; ON/OFF
- Measuring temperature range : -30℃～300℃ (-22℉～572℉)
  When the temperature is lower than -30℃, it will display LO; when the temperature is higher than 300℃, it will display HI; when the temperature is not received, it will display ---
- Alarm temperature range : -30℃～300℃ (-22℉～572℉)
- Accuracy : ±1℃(2℉)　at -20℃～200℃(-4℉～212℉)
  　　　　　±2℃(4℉) at other range
- Resolution : 1℃ / 1℉
- Temperature Period : 1s
- Timer : 23 hours, 59 minutes, 59 seconds　(the same as countdown)
- Wireless distance : 433 frequency, 100 meters (328 feet) in open areas
- Power : Transmitter 2*AAA batteries, receiver 3* AAA batteries

Product Features

This is a wireless food thermometer with four probes, which can independently display the temperature of the four probes, and can independently select different types of meat and taste. You can also customize the temperature alarm value, and the device will alarm when the temperature reaches the alarm value. Multifunctional, high-precision, safe and convenient, it is professionally used for temperature detection of various meats, and it is also suitable for food processing of various refrigeration and heating processes.
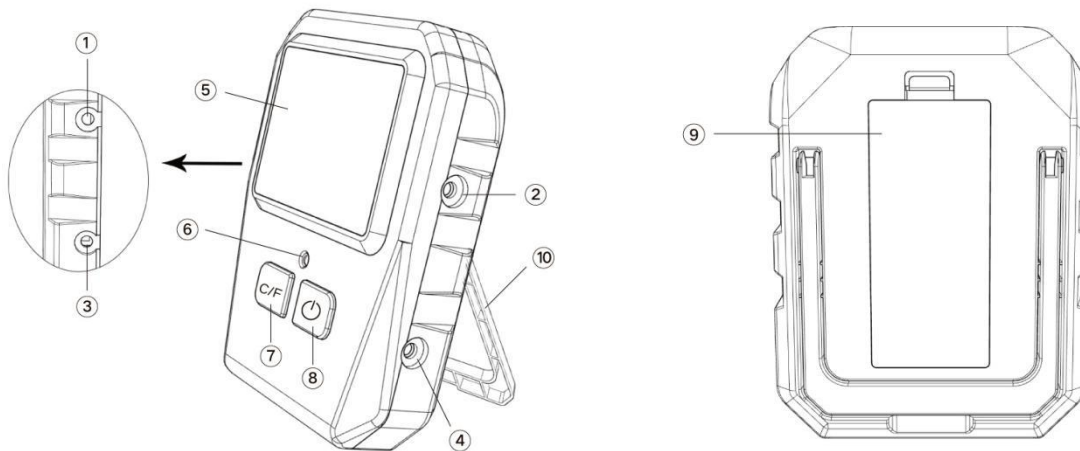
- Exclusive appearance design, has applied for appearance patent.
- Wireless reception. In open areas, the temperature of food can be received at a distance of 100 meters.
- The temperature corresponding to the four probes can be displayed at the same screen, and the reading is fast and direct.
- Quick temperature measurement, can be read in 3~5 seconds.
- BBQ function, eight kinds of food: BEEF, LAMB, VEAL, PORK, HAMBURGER, FISH, TURKEY, CHICKEN; five kinds of taste choices.
- Timer function: count up and count down, when the time is up, the device will alarm (BB).
- Fahrenheit/Celsius switch to meet the usage habits of different people.
- With backlight, it is more convenient to reading at night. Each time you touch this button, the device screen will light up for 10 seconds and make a sound (D).
- With flashlight function.
- There is a bottle opener on the back of the device, which can be used as a pocket clip and hanging hole at the same time.

Receiver

①——Display screen

②——PROBE（To choose different probe）

③——MEAT（To choose meat）

④——TASTE（To choose taste）

⑤——HOUR/▲（Increase the hour or temperature）

⑥——MIN/▼（Decrease the minute or temperature）

⑦——START/STOP（Turn the timer on or off）

⑧——℃/℉/ ⏻（Fahrenheit and Celsius switch; On/off）

⑨——Buzzer hole

⑩——Bottle opener (Rotate 90 degrees clockwise to remove)

⑪——Battery cover

⑫——Bracket

⑬——Flashlight button

⑭——LED light

CH-216 transmitter

Product operation

After installing the battery, the device will beep (B) after full display, and start to work.

(1) PROBE (To choose different probe)

Press the PROBE button to select probe 1, probe 2, probe 3 or probe 4 in turn. After selecting, the corresponding numbers of PROBE 1/2/3/4 on the screen will flash, and then you can start to select meat and taste.

(2) MEAT (To choose meat)

Press the MEAT button to select BEEF, LAMB, VEAL, PORK, HAMBURGER, FISH, TURKEY, CHICKEN (eight different meats), and custom alarm temperature function.

(3) TASTE (To choose taste)

After selecting meat, press TASTE to select different maturity, WELL, M-WELL, MEDIUM, M-RARE, RARE. The corresponding temperature points are as follows:

Reference temperature range of meat from U.S. agriculture department

	RARE		M-RARE		MEDIUM		M-WELL		WELL	
BEEF	60℃	140℉	63℃	145℉	71℃	160℉	74℃	165℉	77℃	171℉
LAMB	/	/	63℃	145℉	71℃	160℉	74℃	165℉	77℃	171℉
VEAL 小	/	/	60℃	140℉	63℃	145℉	71℃	160℉	77℃	171℉
PORK	/	/	/	/	71℃	160℉	74℃	165℉	77℃	171℉
HAMBURGER	/	/	/	/	/	/	/	/	71℃	160℉
FISH	/	/	/	/	/	/	/	/	58℃	136℉
TURKEY	/	/	/	/	/	/	/	/	79℃	174℉
CHICKEN	/	/	/	/	/	/	/	/	79℃	174℉

(4) Custom alarm temperature function

The initial value of the custom temperature setting is 50°C (122°F). If you need to adjust the temperature, press and hold the PROBE button for 3 seconds to enter the setting, and then press ▲▼ to increase/decrease the alarm temperature value. Long press for fast increase/fast decrease, and finally Press TASTE to confirm or automatically confirm after 10 seconds.

(5) ℃/℉/ ⏻（Fahrenheit and Celsius switch; On/off）

When the device is off, press the ⏻button to turn it on; when it is on, press the ℃/℉ button to switch between Fahrenheit and Celsius. Long press for 3 seconds to shut down the device.

(6) HOUR/▲ ; MIN/ ▼ ; START/STOP

Press the HOUR button to increase the hour, the maximum is 23 hours

Press the MIN button to increase the minute, the maximum is 59 minutes

After setting the time, press the START/STOP button to start the countdown. During the countdown, you can press the STOP button to pause, and then press to continue.

When there is no time setting (00:00:00), press START to start counting. During the countdown, you can press the STOP button to pause, and then press to continue.

When the timing is paused, press HOUR and MIN at the same time to clear the value.

Function description of the receiver

(1) BBQ temperature alarm

When the received temperature is higher than or equal to the set temperature, the device will immediately alarm.

Temperature alarm: BB alarm sounds, the measured temperature flashes and the backlight lights up orange for 10 seconds. The alarm will stop after 30 seconds, but the measured temperature will continue to flash. After one minute, the device will alarm again for 10S; every minute it will alarm for 10S until the measured temperature drops, and the alarm will be released.

During the alarm, press any button to cancel the alarm sound, but the measured temperature will continue to flash until the temperature drops.

Alarm mode: BB-BB-BB-BB (two beeps per second)

When two or more probes alarm at the same time, the corresponding temperature of the probe will flash, and the alarm time is calculated based on the alarm time of the last probe.

(2) Timer: It can work independently without connecting temperature probe.

The settable time range is 23 hours, 59 minutes, 59 seconds

When the time is 00:00:00, press the START button to start counting, and ":"flashes.

When the countdown is running, the screen displays ⏳（an hourglass）and ":" flashes.

When the countdown time is reached, the device alarms, the hourglass ⏳ and "00:00:00" will flash.

Alarm time: the alarm will stop after one minute, and the display will return to the previously set time. Bright orange backlight for 10 seconds.

Alarm mode: B-B-B-B (one beep per second)

Press any button during alarm to cancel the alarm sound, but the time continues to flash.

(3) When the countdown alarm and the temperature alarm are at the same time, the two alarm times are calculated separately; if there is a button operation, only the currently displayed alarm will be closed, and the unclosed alarm will continue.

(4) Flashlight: It is not restricted by the host switch or not, the light will be on when it is turned on, and it will automatically be off after 3 minutes.

Function description of the transmitter

(1) ℃/℉ conversion: Press ℃/℉ button to switch the display of Celsius/Fahrenheit.
(2) ON/OFF: Press to select the device to turn on and off.

ON/OFF

(1) Launcher:

Turn the transmitter on or off by pressing the ON/OFF button on the transmitter.When the probe is not inserted into the transmitter, the transmitter has no operation and will automatically shut down after 3 minutes.

When the probe is inserted into the transmitter, there is no operation and the temperature change measured by the probe is less than 3℃, it will automatically shut down in 10 minutes.
(2) Receiver:

Press ⏻ button to turn on the receiver; press and hold ⏻ button for 3 seconds to turn off the Receiver:

If the receiver does not receive the temperature and the timer is off, the receiver will automatically shut down after 3 minutes.

If the timer is counting down, the receiver will automatically shut down within 10 minutes after the countdown alarm ends.

When there is no button operation, the timer is not on, and the received temperature change is less than 3℃, the receiver will automatically shut down after 10 minutes.

Warning

(1) Do not use abrasive or corrosive materials to clean the device.
(2) Do not immerse the device in water. If liquid spills on it, wipe it dry with a soft, lint-free cloth immediately.
(3) Avoid contact with water, because moisture will damage the internal components of the device.
(4) Don't try to repair the device, there are no repairable parts.

(5) Only use new batteries, do not mix old and new batteries, alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
(6) When storing the product for a long time, please remove the battery. Dispose of old batteries properly. Be sure to recycle old batteries.

FCC Warning
§15.19 Labeling requirements.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§15.21 Information to user.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§15.105 Information to the user.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.