

Non-Contact Infrared Forehead Thermometer Instructions

PRODUCT NUMBER: THDG310CA

FEATURES

- Product performance measurement error: $\leq \pm 0.2^{\circ}\text{C}$
- Fast results in less than 1 second
- Non-contact designs allows for measurement with no contact of human skin, avoiding cross infection
- $^{\circ}\text{C}$ or $^{\circ}\text{F}$ reading available. See page X for reading adjustment
- Large LCD screen with backlight for a clear reading in day or night
- Thermometer can store 5 sets of measurement data for easy analysis and comparison

This thermometer is not recommended for use on children under 2 years old.

TECHNICAL INDEX

Normal working enviroment conditions	60.8°F - 95°F; (16°C - 35° C) realitive humidity
Power supply voltage	DC 3V (2 No. 7 Alkaline batteries)
Product size	5.87" x 3.03" x 1.69" (14.90 x 7.69 x 4.29 cm)
Host weight	0.38 lbs
Measurement range	body or object temperature mode
Accuracy	$\pm 0.2^{\circ}\text{F}$ in the range of 95°F - 107.6°F (35°C - 42°C) $\pm 0.3^{\circ}\text{F}$ out of the range of 95°F - 107.6°F (35°C - 42°C)
Power dissipation	<450mw
Measuring distance	1-2 inches (2.54 - 5.08 cm)
Automatic shutdown	15 seconds

PRODUCT DESCRIPTION AND STRUCTURE

This product is composed of an infrared temperature sensor, probe cover, display unit, power supply circuit and measuring circuit.



Shape:

1. Infrared dector
2. LCD
3. Button down
4. Button up
5. Set button
6. Switch
7. Battery cover

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INSTRUCTIONS FOR USE

- Step 1: Press the trigger switch to activate ON mode
- Step 2: Once you hear two beeps and see the screen light up, it's ready to activate a mode
- Step 3: Hit the button "set" until you see human mode on the LED screen
- Step 4: Stand 1-2 inches from your desired target
- Step 5: Press trigger switch to take temperature
- Step 6: Wait until you hear a beep before moving away to get an accurate temperature.

You will see these colors appear for the temperatures listed below*

Light Indicator	Temp Range
Green	89.6°F – 99.4°F
Orange	99.5°F – 100.3°F
Red	100.4°F – 109.2°F ("HI" will appear if exceeded)

To turn off, wait 15 seconds for auto shut-off

SETTING ADJUSTMENT

This product can modify the default setting parameters. The factory setting has been made for different sales markets before leaving the factory. It is recommended that you do not modify the factory default value. If you really need to modify, please follow the following steps:

Mode switching

- Step 1: Pull trigger to power up.
- Step 2: Hold the set button in until the screen reads F-1, quickly Release button.
- Step 3: Hold the set button in until the screen reads F-2, quickly release the button.
- Step 4: Hold the set button in until the screen reads F-3 , quickly release the button.
- Step 5: Push the up arrow button the thermometer will change from C to F (or F to C) depending on the current setting.
- Step 6: Hold the set button in until the screen reads F-4, quickly release the button.
- Step 7: Hold the set button in until the thermometer shuts off.

You have now successfully changed the setting. You can now pull the trigger to turn on the thermometer and begin using it.

BATTERY REPLACEMENT

1. The product needs two AAA alkaline batteries. When the battery symbol appears on the screen and flashes, it indicates that the battery is insufficient and needs to be replaced.
 2. Open the battery cover to replace the battery, and pay attention to whether the positive and negative electrodes of the battery are placed in the correct position.
 3. DO NOT USE rechargeable batteries as they do not meet the product requirements.
 4. When not used for a long time, it is recommended to take out the battery to avoid battery leakage and damage the product.
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ROUTINE MAINTENANCE

Store in a dry, cool place out of direct sunlight. The product does not need regular maintenance when it is in normal use. Please follow these instructions when the following situations are met.

1. External dirt: clean the thermometer with water and a soft cloth, a cotton swab or a medical alcohol wipe that can have a bactericidal disinfection effect. Be careful not to allow too much water or alcohol to enter the product as it can cause damage.
2. Internal smudge: DO NOT touch or press internal infrared detector with your fingers or other objects, as it will affect the accuracy of measurement. If infrared detector is found dirty, please use cotton swab with 95% alcohol.

Note: do not use 75% disinfecting alcohol to wipe infrared detector (will remain traces of water). Do not wipe infrared detectors with other chemicals.

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TOUBLESHOOTING

1: The temperature cannot be displayed, after the boot all display (4 “8” shape), what is the problem?

Answer: try and replace with new battery.

2: When the body temperature of part of the human body appears “Lo” in the same environment, what is the reason?








Answer A: the reasons to exclude are as follows:

1. The measurement distance is too far, at this time the measurement may be the temperature of the air, the instruction requirements is 3cm ~ 5cm distance.
2. When the measured one's forehead covered with hair, forehead has sweat, posted antipyretic paste or eat antipyretic medicine, forehead is aimed at the air conditioning blowing, there is a strong airflow blowing over the surface may appear “Lo”, need to rest in a stable environment for 5~10 minutes to measure.

Answer B: The surface temperature of a human body is lower than that of the average person. If an individual shows “Lo” in each measurement, the forehead temperature can be compared with others by induction with the back of the hand, and then try others for a comparison.

Answer C: When the body temperature of an individual (not all human bodies) appears “Lo”, it can be judged when the body temperature is normal, and the main concern is the overtemperature prompt (the overtemperature prompt appears “HI”). The appearance of “Lo” indicates that the surface temperature of the human forehead is very low, which is beyond the display range of the product.

DISPLAY & ICONS

display information	possible cause
There was no reaction after pressing the measurement button	The battery is out of power, please replace the battery; Or the battery is not inserted into the correct place
	low voltage display, please replace the battery
	EEPROM abnormal, please send to the nearest service provider for maintenance
	the sensor is not welded well, please send to the nearest service provider for maintenance
	the measurement result over 42.2°C (108°F)
	The measured result was below 32°C (89.6°F)
	The ambient temperature is too high
	the ambient temperature is too low

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