

## 8. Operations

- 8.1 Measure body/surface temperature**
- Press the Measure button to turn on, with all icons on the screen. The display will ring "tick", lock before initialization, then it is ready.
  - Make sure the working mode of the device is Body temperature mode instead of surface temperature mode.
  - Press the Measure button to change surface temperature mode.
  - Point the thermometer to the center of human forehead in a straight angle at a distance of 3-5 cm, in about half a second after they hear the sound "tick" and see the temperature value. The measurement is done.



- 8.2 Measure surface temperature**
- Press the Measure button to enable the device and get ready for measurement.
  - Make sure the working mode displayed on upper screen is Surface temperature mode instead of Body temperature mode. Press/Scrolling button to change surface mode or body.
  - Point the thermometer straight to the object under test at a distance of 3-5 cm. Press the Measure button, and in about half a second you will hear the sound "tick" with the reading displayed and the measurement is finished.

### Tips

- A. The temperature here refers to only the surface temperature of the surface under test, not its core temperature.  
 B. The infrared ray radiation rate of different materials varies, which may affect the measurement results. The radiation rate of this device is 0.95. For example, the measured temperature of stainless steel may be much lower than the actual temperature. Therefore, take care to prevent from getting burned in such cases.

### Tips

- When the ambient temperature is lower than 15°C or higher than 40°C, measurement is not allowed. "Lo" or "Hi" are displayed and shut down.

## 9. Replace batteries

- Open the cover of battery compartment and take remove the wasted batteries.
- Replace two brand-new AAA batteries, paying attention to the Polarity direction (as shown in Figure 10.1).
- Close the cover of battery compartment. Once you hear "tick", "tick", sound, the batteries have been replaced correctly. If no "tick" sound is heard, check the polarity directions of your batteries.



### Tips

- A. The unit will stay idle for a prolonged period of time, remove the to prevent leakage. It is forbidden to throw wasted batteries into fire.  
 B. Dispose the wasted batteries following the local regulation and laws concerning the environment protection to avoid any environmental pollution.

## 10. Maintenance and precautions

- Keep the sensor as well as the inner cavity, otherwise the measurement accuracy may be affected.
- Cleaning method
  - A. Clean the Surface Use a clean soft cloth or cotton swab dipped with a bit of medical alcohol or water to rub the dirty spots.
  - B. The sensor and the inner cavity Use a clean soft cloth or cotton swab dipped with a bit of medical alcohol to rub the cavity and the sensor top. Don't use the product until the sensor is completely dry.

### Tips

- Since the product is used repeatedly, be sure to clean it each time after use.  
 ► Prior to using the product, read thoroughly the instruction Manual, and make sure the batteries have been properly installed.  
 ► It is forbidden to place the thermometer into any liquid or use in high or low temperature environment for a long time.  
 ► Do Not impact, drop, the unit or place it together with sharp articles. Do Not disassemble it on your own.  
 ► Do Not use the unit in surrounding with strong electronic and magnetic interference.  
 ► Keep the thermometer that far from kids children's reach.  
 ► It is suggested that user precise using unit enough times in order to master the usage. Avoid modifying the defaulted settings at the factory.  
 ► The measurement results can not take place of medical diagnosis.  
 During use no special maintenance is necessary. In the case certain failure occurs, contact the dealer or manufacturer.

## 11. Troubleshooting

Troubleshooting	Possible solutions
The display indicates "Lo" or "Hi"	1. Check the target you are going to measure in the case of measuring a human body, the ambient temperature, the room temperature, the body temperature, etc. 2. Check the temperature of the surface. 3. Check the working environment, the environmental change, the impact on the sensor, the change in the sensor, the change in the sensor, the change in the sensor, etc. 4. Check the measurement standard (Scale)
Buttons failure	1. Check whether the sensor is working properly. 2. Check whether the operation manual is correct.
No operating sound	Check whether the operation manual is correct.
Shutdown soon after turned on	Check whether the sensor is working properly.

## Operation Instructions

- 1. Safety instructions and precautions**
- Working environment: (16-35) °C; relative humidity is RH<85%, no condensation; the air pressure is within the range of (70-106) kPa.
  - Storage environment: (-25-55) °C; relative humidity is not more than 90%RH; no condensation; the air pressure is within the range (70-106) kPa.
  - This product does not suit for monitoring application.
  - This product is not waterproof, so do not dip it into water or other liquid. When cleaning it, dampen slightly a cotton swab with alcohol to rub display, the probe as well as the shell, and then dry it with another clean cotton swab instead of any detergent. Keep this thermometer far from sunshine, where it is dry and dust free, with the temperature within the range of (16-35) °C (60.8-95)°F. In the case that the probe of the thermometer itself seems to be damaged, discard it. Don't try to repair the apparatus if it is ruined. Just contact the closest service center.
  - This product consists of high precision parts. Do Not drop it to the floor. Keep it safe from strong impact and shock.
  - Do not twist the thermometer and probe!
  - If the part of your body suffers with inflammation, injury or recovers soon after a surgery, Do not use the product on it.

## Warning

- Be sure to place this infrared thermometer far from children's reach.
- Using the infrared thermometer doesn't take the place of doctor's help. Once the measurement readings are higher than 37.5 °C (99.5 °F), it is suggested you should go to see a doctor.
- This infrared thermometer is no waterproof NEVER place it into any liquid.
- Remove the batteries in the case that the product will not be used for a prolonged period of time

## Features

- 2.1 Multiple purposes**  
 This non-contact infrared thermometer can be applied to the forehead. The forehead temperature range is from 32 °C through 42.9 °C (89.6-109.2 °F).
- 2.2 Portable for easy handling**  
 • Distinctive ergonomic design make it easy to use.  
 • It imposes no negative effect on your daily life if you use it to take the forehead temperature of your sleeping baby.  
 • For children, this product is more comfortable than anal thermometer, easier than mouth thermometer, and more flexible than those mono-mode infrared thermometer.
- 2.3 Safe and healthy**  
 • There is no risk of broken glass or swallowing mercury inside the traditional thermometer.  
 • It absolutely secure to be used on children.
- 2.4 Access to multiple memory values**  
 User can enable the Memory mode to access to multiple memory values, so as to track the temperature changes effectively.

## Technical parameters

Temperature range	(32-42.9) °C / (89.6-109.2) °F
Measuring distance	3-5cm
Measuring time	1s
Measurement accuracy	within(35-42)°C ± 0.2°C/0.4°F
Memory	Memorize 32 measured values
Power supply	DC 3V (two AAA alkaline batteries)
Working environment	16°C-35°C (60.8°F-95°F) RH<85%
Storage environment	-25°C-55°C (-13°F-131°F) RH<90%
Product size	149mm*95mm*43mm
Product weight	106g-3g
Accessories	Instruction Manual x 1

\*Specs above may vary slightly with models

## Icon Descriptions

Definition	Icon	Status Description
Power level		Normal battery Replacement battery
Sound		With display With display With display (in with social)
Temperature unit		Celsius Fahrenheit
Memory		Memory Memory (with social)

## 3. Major parts of the product

This product consists of shell, temperature sensor, control circuit, LCD display, (optional LED backlight) and buzzer.

- 4. Basic principle behind product**  
 In nature any object of which the temperature is higher than the absolute 0 degree (-273 °C) will radiate infrared ray, and the energy of the infrared ray will increase as the temperature rises. Based on such correlation, people can calculate the temperature value of an object as the intensity of infrared ray from it has been accurately measured

## 5. Product structure descriptions.



1. Press the key of "Measure button" to test the temperature.
2. Press "\*" or "-" to call up 32 groups of temperature memory values.
3. Press the "set" key to switch the body temperature and surface temperature.
4. Long press the "set" key for 6 seconds to switch between Celsius and Fahrenheit.