

IR42

Infrared Forehead Thermometer

Operation Instructions

311-1242100-010
Version 1.0 2020/02



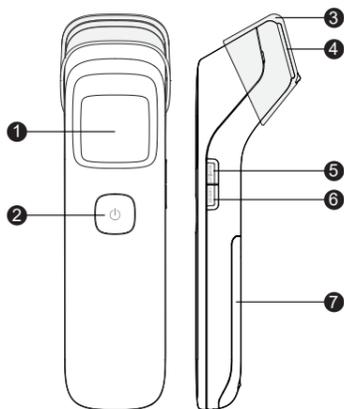
Distributed by
ForaCare Global Corp.
1F, No. 127, Wugong 2nd Rd., Wugu District,
New Taipei City 24888, Taiwan
Tel: +886-2-66253345
Fax: +886-2-66259678
www.foracare.com

TaiDoc Technology Corporation
B1-7F, No. 127, Wugong 2nd Rd., Wugu Dist.,
24888 New Taipei City, Taiwan
www.taidoc.com



APPEARANCE AND KEY FUNCTIONS

- 1 Display Screen
- 2 Power / Scan Button
- 3 Probe Cover
- 4 Probe
- 5 Mode / Set Button
- 6 Memory Button
- 7 Battery Cover



INTRODUCTION

Thank you for choosing IR42 Forehead Thermometer. Please read this instruction manual first so you can use this thermometer safely and correctly. Please keep this instruction manual for future reference. This innovative medical device uses advanced infrared (IR) technology to measure temperature instantly and accurately on the forehead / surface. The IR42 Forehead Thermometer delivers a body temperature reading from the thermal radiation emitted from the forehead without contact to the body. (The surface temperature measurement is not for medical purposes.) Before using this product, please read the following contents thoroughly and carefully.

INTENDED USE

The IR42 forehead thermometer is intended for the intermittent measurement and monitoring of human body temperature from the forehead. The device is intended for use of all ages for home and professional use by one with a good understanding of the operation instruction, where the patient may be an operator.

HOW DOES IT WORK

The thermometer measures the infrared heat generated by the surface of the skin over the vessel and its surrounding tissue. The thermometer then converts it into a temperature value shown on LCD.

IMPORTANT SAFETY INSTRUCTIONS

READ THIS BEFORE USING AND KEEP THESE INSTRUCTIONS

1. Close supervision is necessary when the thermometer is used by, on, or near children, handicapped persons or invalids.
2. Use the thermometer only for the intended use described in this manual.
3. Do not use the thermometer if it is not working properly, or if it has sustained any damage.
4. Keep the sensor end clean and free of debris. See Maintenance section for instructions.
5. Do not use ethylene oxide gas, heat, autoclave, or any other harsh methods to sterilize the device.
6. Put in place the protective sensor cap on the sensor end when not in use.
7. If coming from an environment of warmer or cooler temperature or after a period of exertion, allow the user and the thermometer to acclimate to room temperature for 20 minutes prior to taking a measurement.
8. As the forehead temperature may be affected by sweat, oil and the surrounding temperature, the reading shall be taken as a reference only.

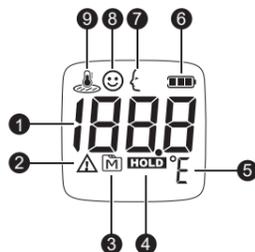
9. Do not use in presence of flammable anesthetic mixtures.
10. Do not use accessories which are not supplied or recommended by the manufacturer. Do not try to modify the device to prevent any dangers.
11. Proper maintenance is essential to the longevity of your device. If you are concerned about the accuracy of measurement, please contact the local customer service or place of purchase for help.
12. Always contact the manufacturer or the manufacturer's representative to report unexpected operation or event. Do not try to fix it by yourself.
13. When using the thermometer, stay away from electromagnetic radiation, such as the mobile in use.
14. Do not expose the device to strong electrostatic fields or strong magnetic fields to avoid affecting the measurement accuracy.
15. Used in close proximity to others, EMC must be tested and verified.
16. Keep probe covers out of reach of children. The small parts detached from the device may result children choking from inhaling or swallowing.
17. Do not try to maintain the device while it is in use.
18. This thermometer has been calibrated at the factory. If you follow the instructions, you don't need to adjust it regularly. But if you are in doubt about the accuracy of the readings, please contact the customer service.

CAUTIONS AND WARNINGS

- Always operate the thermometer in an operating temperature range 10°C to 40°C (50°F to 104°F), and relative humidity below 85%.
- Always store the thermometer in a cool and dry place: temperatures between -20°C to 60°C (-4°F to 140°F); relative humidity below 85%. Avoid direct sunlight.
- Avoid dropping the thermometer.
- This thermometer is not intended to be a substitution for a consultation with your physician.

LCD SCREEN

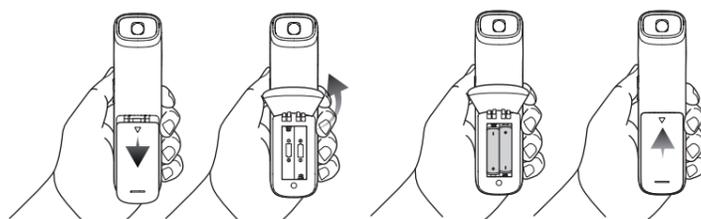
- 1 Temperature display
- 2 Error message
- 3 Memory mode
- 4 Hold Symbol
- 5 Temperature unit
- 6 Battery indicator
- 7 Adult body temperature indicator
- 8 Child body temperature indicator
- 9 Object surface temperature indicator



HOW TO USE

INSTALL BATTERY

1. Remove battery cover by pressing down at the arrow mark and slide in the direction of the arrow (Figure 1).
2. Install (2) AAA alkaline batteries and close the battery cover (Figure 2).
3. If thermometer will be stored without use, remove batteries.



Warning:
Make sure the battery cover is properly closed and secured.

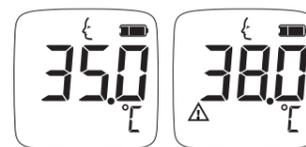
MEASURING TEMPERATURES-ADULTS

(older than 36 months)

1. Remove protective cap. The forehead should be clear of hair and perspiration.
2. Aim at the center forehead area 3 to 7cm (1" to 2.5") away from skin surface. Be sure the thermometer is perpendicular to the skin surface.



3. Press and release the SCAN button to take a measurement. A double "beep" sound indicates a reading has been taken and displayed on the LCD screen. When a reading is greater than 38.0°C, a warning symbol will flash.



4. To take another measurement, follow step 2 and 3.
5. The thermometer turns off automatically after 30 seconds. Replace the sensory cap when finished.

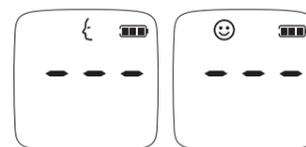
NOTE:

- If the reading is $\leq 31.9^\circ\text{C}$ (89.5°F), the display will show "Lo".
- If the reading is $\geq 43.1^\circ\text{C}$ (109.5°F), the display will show "Hi".

MEASURING TEMPERATURES-CHILDREN

(younger than 36 months)

1. Press the SCAN button to turn on the thermometer.
2. Press and hold the MODE button for 1 second before releasing. An adult facial profile should be flashing, indicating that the preset mode is for adults.
3. Press the MODE key to switch to Child mode, indicated by a smiley face icon.



4. Aim the scanner at the center of the child's forehead 3 to 7cm (1" to 2.5") away from skin surface. Press and release the SCAN button to take a measurement. A warning symbol indicates a reading greater than 37.6°C (99.7°F).



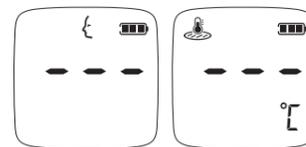
5. The thermometer automatically switches off when left idle for 30 seconds.
6. Replace the sensor cap when finished.

NOTE:

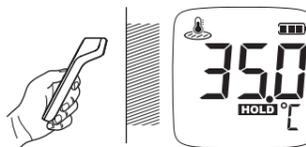
- If the reading is $\leq 31.9^\circ\text{C}$ (89.5°F), the display will show "Lo".
- If the reading is $\geq 43.1^\circ\text{C}$ (109.5°F), the display will show "Hi".

MEASURING TEMPERATURES-SURFACE

1. Press the SCAN button to turn on the thermometer.
2. Press and hold the MODE button for 1 second before releasing. An adult facial profile should be flashing, indicating that the preset mode is for adults.
3. Press the MODE key to switch to Surface mode, indicated by a thermometer icon.



4. Press the SCAN button. Make sure the probe is flat and close to the object surface, not at an angle. Perform an object measurement with a distance within 5 cm (1.9 inch). Press and hold the SCAN button as you move the meter along the surface. The HOLD symbol will be flashing.



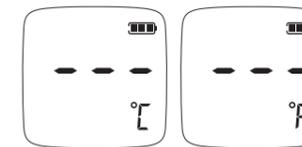
5. Release the button and read the result.

NOTE:

- If the reading is $\leq 0.0^\circ\text{C}$, the display will show "Lo".
- If the reading is $\geq 100.1^\circ\text{C}$, the display will show "Hi".

CHANGING UNIT OF MEASUREMENT

1. With the thermometer off, press and hold the MODE button for 1 second. The current unit of measurement will be flashing. The default setting is in °C.
2. Press the MODE button again to make a switch in the unit of measurement.



3. When finished, press the SCAN button to turn off the thermometer. The thermometer switches off automatically when left idle for 30 seconds.

HINTS ON TAKING TEMPERATURES

1. As with other thermometers, you may observe slight variations in consecutive measurements. It is recommended that you take 3 temperature readings and use the highest one for the following situations:
 - Infants younger than 3 months old.
 - Children younger than 3 years old and who have a compromised immune system and the presence / absence of fever is critical.
 - When you are learning to use the thermometer.
2. Do not take a reading while the person is moving and / or talking. Wait 30 minutes after any of the following situations before taking a measurement:
 - When the forehead has been covered.
 - After the person has been exercising, swimming, or taking a bath.
 - When the person has been exposed to extreme temperature.

RECALLING PAST READINGS

The IR42 stores 30 most recent readings.

1. Press and release the SCAN button to turn on the thermometer.
2. Press and hold the MEMORY button for 1 second to enter the memory mode indicated by a flashing "M" symbol. The most recent reading stored will be displayed.



3. Press and release the MEMORY button to cycle through older readings.
4. When left idle for 30 seconds, the thermometer automatically switches off.

NOTE:

When the memory is full, the oldest result is deleted as the new ones are added. While recalling previous readings, you may take a measurement by pressing the SCAN button.

NORMAL BODY TEMPERATURE & FEVER

Body temperature can vary from one individual/person to next. It also varies by location on the body and time of day. Fever indicates that the body temperature is higher than normal. This symptom may be caused by infection, overdressing or immunization. Some people may not experience fever even when they are ill. These include, but are not limited to, infants younger than 3 months old, persons with compromised immune systems, persons taking antibiotics, steroids or antipyretics (aspirin, ibuprofen, acetaminophen), or persons with certain chronic illnesses.

Body Site Normal Temperature Range	
Oral	0.6°C (1°F) or more above or below 37°C (98.6°F)
Rectal / Ear	0.3°C to 0.6°C (0.5°F to 1°F) higher than oral temperature
Axillary (armpit)	0.3°C to 0.6°C (0.5°F to 1°F) lower than oral temperature

Source: *Body Temperature at WebMD; website: <http://firstaid.webmd.com/body-temperature> retrieved at 2010 Jan 7.*

Please consult your physician if you are concerned about your body temperature readings.

MAINTENANCE

- The IR42 has no user serviceable internal parts except battery replacement.
- Always replace Sensor Cap (or place in cradle) when not in use.
- Store in a dry location free of dust and away from direct sunlight.
- Use a soft dry cloth to clean the plastic housing or a cloth dampened with a solution of water and mild detergent. Occasionally, 70% isopropanol solution may be used. Never submerge in liquid.
- The sensor window is recessed to assist in keeping it clean and free of debris. Inspect the lens and remove any debris. Smudges may be cleaned by gently wiping the window with a small foam-tipped swab (non-lining) moistened with 70% alcohol. Wait 10 minutes prior to taking temperatures.

