

IR Forehead Thermometer

Include - PROTECTIVE Cap: 1 pc

USER MANUAL: 1 pc

PROBE COVERS: 3 pcs

Please
read
this
instruction
manual
before
use

CE 0123

User Manual of IR Forehead Thermometer

- Thank you for purchasing our IR Forehead Thermometer. For a desirable use of this product, be sure to read this User Manual before any operation.
- For safe and proper use of this product, be sure to read and fully understand Safety Precautions contained in this User Manual.
- Keep this Manual with you for a convenient reference.
- Keep this Manual in a proper way and avoid any loss.

SAFETY PRECAUTIONS

- Warning marks and symbols are contained for your safe and proper use of this product and prevention of any injury to you and others.
- See Table below for description of warning marks and symbols:



WARNING

Means a possibility of personal injury in case of improper use.



NOTICE


Means a possibility of personal injury or property damage in case of improper use.

[*Property damage covers any damage to house, family property, domestic animal and pet.]

MARKS or SYMBOLS



ATTENTION

Means Notice with detailed items expressed in words or figures within or beside . Left one means "No break".



PROHIBITION

Means Forbidden with detailed items expressed in words or figures within or beside the mark. Left one means General Forbidden.



MUST OBSERVE

Means Obligatory with detailed items expressed in words or figures within or beside the mark. Left one means General Compulsory.



IMPLICATION OF SYMBOL

Means Type-B device.



WARNING



It is dangerous for patients to perform a self-evaluation and self-treatment based on the measuring results. Be sure to follow doctors' instruction.

**A self-evaluation may cause deterioration of diseases.*

Don't touch or blow infrared sensor.

**A polluted infrared sensor may cause inaccuracy.*

Clean a polluted infrared sensor with a soft dry cloth in a gentle manner.

**Clean with toilet tissue or paper towel may scratch the infrared sensor, causing inaccuracy.*

Keep the machine out of children's reach.

**A self-measurement forced by children may cause ear damage. For accidental swallow of battery or protective film, please consult the doctor at once.*

For temperature difference between storage area and measurement site, condition the thermometer for about 30 minutes in room temperature (measurement site).

**Failing to do so may cause inaccuracy.*



NOTICE



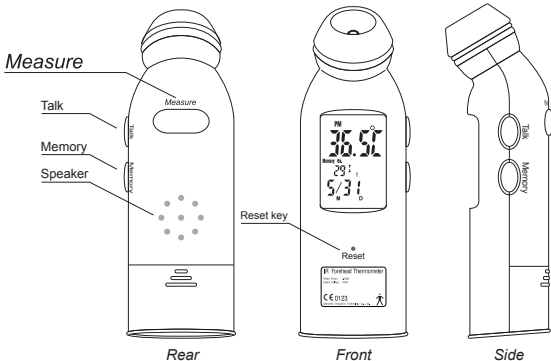
Don't throw batteries into fire.

**Battery is likely to explode in fire.*

RECOMMENDATIONS

- * Don't use the product for other purpose.
- * It is not a waterproof product, avoid any liquid invasion including alcohol and water.
- * It is forbidden to leave the product exposed to any chemical solvent, direct sunshine or high temperature.
- * Don't drop, tramp or impose any vibration or impact on the product.
- * Don't use a mobile phone nearby when the thermometer is working .
- * The forehead thermometer has been designed for practical use, but is not meant to replace a visit to the doctor.
- * The forehead thermometer is only intended for measuring temperature on the forehead. **DO NOT USE** for measuring body temperature rectally, under the arm or in the mouth.

PRODUCT STRUCTURE :



ABC concerning ear temperature :

1. What is forehead temperature?

Forehead temperature is the same temperature as the arterial blood supply under the skin. It is the best determinate of body temperature, and unaffected by the artificial errors and time delays of oral and rectal methods.

2. How to take forehead temperature properly?

* Gently touch probe to center of forehead. Make sure remove anything covering the area to be measured (hair, hat, wig, and bandages). Otherwise it would insulate the area, resulting in falsely readings.

3. Why is a forehead temperature is more accurate than ear temperature?

The reason why ear thermometers are considered inaccurate is because the positioning of the probe in the ear canal might affect the accuracy. The forehead thermometer scans the forehead area for temperature given off by the arterial blood supply under the skin without worry making good position. The gentle scan is comfortable and not objectionable.

Temperature measurements are also impacted by the type of measurement method used. Rectal / Ear temperature is generally 1/2 to 1 degree higher than oral temperature, and axillary temperature is generally 1/2 to 1 degree lower than oral. The following chart lists general temperature ranges for each method.

Measurement method	Normal temperature range	Fever temperature range
Axillary (under arm)	95.5 ~ 98.5 °F (35.3 ~ 36.9°C)	98.9 °F or higher <input type="checkbox"/> (37.2°C or higher)
Forehead	95.0 ~ 100.4°F (35.0 ~ 38.0°C) <i>NOTED: Measurements for some adults may be lower than 95.0°F (35.0°C)</i>	A temperature that is 1.0 ~ 1.5°F (0.6 ~ 0.8°C) higher than usual. It is highly recommended that you use our IR Forehead Thermometer to establish the normal temperature range for each person.
Oral	96.6 ~ 99.5°F (35.9 ~ 37.5°C)	99.6°F or higher <input type="checkbox"/> (37.6°C or higher)
Rectal / Ear	97.7 ~ 100.3°F (36.5 ~ 37.9°C)	100.4°F or higher <input type="checkbox"/> (38.0°C or higher)

How to Take a Measurement:

- 1) Remove protective cap before use and make sure lens is clean. If not, clean with cotton swab dipped in alcohol and let dry.
- 2) Gently position the probe flush on the center of the forehead, midway between the eyebrow and the hairline. Press the [Measure] button once to start the measurement & you will hear a beep sound. Once the measurement has been completed you will hear a short melody. Then you will hear the result via the speaker or see it from the LCD
- 3) The result will be stored into memory automatically. If 30 sets of memory are stored already, the first set of data will be removed, and others decreased by 1 with the new one at the top. □
(Note: the recorded data will be removed automatically when it is recorded over 30 days)
- 4) The maximum number of temperature taking is 3 times in a consecutive way. It is possible that a proper body temperature measure is obstructed despite of a normal recovery. For continuous measurement up to 4 times or above, wait for 10 minutes before another measure.
- 5) Display of measuring results:
 - A. True value display for result falls between 35 ~ 42.2 °C ; 95 ~ 108 °F
 - B. "HI" displayed for result above 42.2 °C / 108 °F
 - C. "LO" displayed for result below 35 °C / 95 °F
- 6) At completion of measurement, the unit automatically returns to time mode after 1 minute.
- 7) The display will be turned off 3 minutes after last key pressed automatically.

Fundamental functions:

1. Current date and time display: Range of date display falls within Gregorian calendar year 1901~2099, time display mode includes 12 hours shift or 24 hours shift. The initial time for a powered system is set at January 01, 2003.
2. Measurement and display of temperature: Measurement ranges from 35°C (95 °F) to 42.2°C (108 °F)
3. 30 sets of measurement records stored and searchable: Maximum 30 sets of temperature records stored. Each set has a maximum storage time of 30 days. Temperature is stored together with measuring date, time (morning or afternoon) and status (day time or night time).
4. Voice prompt: report measurement results (in °C or °F) or current time

Advanced operation:

1. Time mode

- System enters time mode when:

- 1. Power on;
- 2. No key is pressed for more than one minute.

- For normal status:

- 1. Display time in a sequence of year, month, date, week, hour, minute with a flickering " : " stands for second.
- 2. Press [Talk] to report current time.
- 3. Press and hold [Memory] for 2 second to initiate setup mode.
- 4. Press and hold [Talk] to switch between 12 / 24 hour mode.

- For setup mode:

- 1. Press [Talk] to shift between a setting of hour, minute, year, month and date.
- 2. Press [Memory] to increase the digit.
- 3. Press [Memory] subsequently to resume a normal status.

- * Unit return to time mode automatically for 1 minute after last key pressed.

2. Memory search mode

- A search mode can be activated by press [Memory] at normal time model.
- "-." is displayed if no data is stored;
- Search number is shown for stored data available. Maximum storage is 30 sets of data;
- Press and hold [Memory] to increase the digits rapidly.
- Unit returns to time mode automatically for 1 minute after last key pressed.

Recommendations:

1. Measure only the front of the head exposed to the environment. Anything covering the area to be measured (hair, hat, wig, bandages) would insulate the area, resulting in falsely high readings.
2. Wait about 30 seconds before measuring the same patient again to avoid excessive cooling of the skin.
3. When exposed to changing room temperature, the device should at least remain in the same room for 15 minutes prior to the measurement
4. Always cover the thermometer with the protective cap supplied.

Maintenance, storage and calibration:

Maintenance:

1. Remove any stains on the body with a soft and dry cloth.
2. Don't wash with water or detergent containing abrasive or benzene.

Storage:

1. Always put the protective cap cover the probe if the unit is not in used.
2. Don't leave the thermometer exposed to or at high risk of direct sunshine, high temperature, dampness, fire, flame, vibration or impact.
3. Remove the battery for long time of no use.

CALIBRATION :

This thermometer is calibrated at the time of manufactured. If the thermometer is used according to the instruction, periodic re-calibration is not required. If at any time you question the accuracy of the measurement, please contact the retailer immediately

Don't attempt to modify or reassemble the thermometer.

TROUBLES and TROUBLESHOOTING:

Troubles	Checklists	Countermeasures
No response	1) Battery used up? or 2) Battery in wrong polarity?	1) Change new battery, or 2) Adjust battery to proper polarity.
Battery symbol on LCD	Low battery	Change new battery
"Lo" on screen (result below 35 °C, 95 °F).	Thermometer rightly pointed at the eardrum?	Follow User's Manual to point at the eardrum.
"Hi" on screen (result above 42.2 °C, 108 °F).	Dirty lens?	Clean the lens
"ErrE" on screen	Thermometer temperature beyond the scope of 10~40°C, 50°F~104°F	Condition the thermometer till room temperature (10 ~ 40°C, 50 ~ 104°F) before measuring.
"ErrE" on screen	Don't measure after pressing Measure.	Follow steps in User's Manual for proper measurement.
"ErrE" on screen	Errors detected during self-check.	Consult a repairman.

Replace a battery:

Remove the battery compartment door. Use only a new battery (CR2032 style). Replace the battery compartment tight.



SPECIFICATION:

1. *Product Name: IR Forehead Thermometer*
 2. *Power supply: 3 Volt (CR2032)*
 3. *Power consumption: <0.05W (for voice prompt)*
 4. *Temperature sensing part: IR sensor*
 5. *Measuring range: 35.0°C ~ 42.2°C (95.0°F to 108.0°F)*
 6. *Measuring accuracy: ±0.2°C (or +/- 0.4°F)*
 - from 36.0°C ~ 39.0°C (or 96.7°F to 102.2°F)*
 - +0.3°C (+/-0.5°F)*
 - from 35.0°C ~ 35.9°C (or 95.0°F to 96.6°F)*
 - from 39.1°C ~ 42.2°C (or 102.3°F to 108.0°F)*
 7. *Outer dimension: 110(L) x 27(W) x 35(H) mm*
 8. *Weight: 66g*
 9. *Working environment: Temperature: 10 ~ 40°C (50.0°F to 104.0°F)*
Relative humidity: 30%RH ~ 80%RH
 10. *Storage environment: Temperature: -20 ~ 40°C (-4°F to 104.0°F)*
Relative humidity: 30%RH ~ 85%RH
 11. *EQUIPMENT not suitable for use in the presence of a FLAMMABLE ANAESTHETIC MIXTURE WITH AIR or WITH OXYGEN OR NITROUS OXIDE.*
 12. *CONTINUOUS OPERATION;*
- *Dispose of used batteries with care consult your distribution center for details.*

ACCESSORIES:

Protective cap: 1 pc; User Manual: 1 pc; Probe Covers: 3 pcs;

WARRANTY:

One-year warranty is available from purchasing date, excluding user-caused failures listed below:

- (1) Failure resulted in unauthorized disassembly and modification.*
- (2) Failure resulted in unexpected drop during application or transportation.*
- (3) Failure resulted in operation away from proper instruction in User Manual.*

Present the Warrant Card with seal of distribution center (include name and address) for repair free. Consult sales Office for service free.

Manufacturer:

Shenzhen Dongdixin Technology Co.,Ltd.

Authorized EC-representative:

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