

# KINeTİK

medical health monitors for everyone



## Digital Ear Thermometer

User Manual

IET I Series

# User Manual of Digital Ear Thermometer

- Thank you for purchasing our Digital Ear Thermometer. For optimum use of this product, be sure to read the User Manual before any measurements are taken.
- For safe and proper use of this product, please read and fully understand the Safety Precautions contained in this User Manual.
- Keep this Manual with you for a convenient reference.
- Keep this Manual in a safe place to avoid any loss.

# User Manual of Digital Ear Thermometer

## 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 if the thermometer is not used correctly.



### NOTICE

Means a possibility of personal injury or property damage \* if the thermometer is not used correctly.

\*Property damage refers to any damage to house, family property, domestic animal and pet.

## MARKS or SYMBOLS



### ATTENTION

This symbol indicates a notice with the actual detail expressed in words or figures within or beside the symbol. This symbol means do not destroy.



### PROHIBITED

This symbol indicates that this action is forbidden. The actual details are expressed in words or figures within or beside the symbol.



### MUST OBSERVE

This symbol indicates that this action is obligatory. The actual details are expressed in words or figures within or beside the symbol.



This symbol indicates that this product is a Type B - device.

# User Manual of Digital Ear Thermometer



**WARNING**



**MUST OBSERVE**

It is not advisable for patients to make a self – diagnosis and self treatment based on the temperature results obtained.  
Seek medical advice

- A self – diagnosis may result in a deterioration of the condition**
- A dirty Infrared sensor may lead to inaccuracy.**

Do not touch or blow the infrared sensor.

- A dirty infrared sensor may lead to inaccuracy.**

Clean the infrared sensor carefully with a cotton swab or soft cloth moistened with alcohol.

- Cleaning with toilet tissue or paper towels may scratch the infrared sensor, leading to inaccuracy**

Keep the thermometer out of the reach of children.

- Forced self-measurement by children may cause ear damage. If a child accidentally swallows a battery, please consult a doctor immediately.**

Do not take a measurement following any outdoor activities.

- Any immediate measurement taken after an outdoor activity in cold weather, may cause a low result.**

Condition the thermometer for 30 minutes at room temperature before taking a measurement

- Failing to do so may lead to inaccuracy.**

**The digital ear thermometer is not waterproof, avoid any liquid invasion, including alcohol and water.**

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Do not force the thermometer into the ear canal. If pain occurs, cease use immediately.

- It is likely to damage the ear.

It is recommended that if you suffer from otitis or tympanitis, you do not use this thermometer

- A deterioration of the condition is likely.

Do not use the thermometer if the ear canal is wet, from swimming, bathing or showering.

- It is possible to damage the ear canal.



Do not throw used batteries in to a fire, dispose of batteries with care.

- Batteries will explode in fire. 

## RECOMMENDATIONS

- Do not use the ear thermometer for other temperature measuring purposes.
- The ear thermometer is not waterproof, avoid any liquid invasion, including alcohol and water.
- Do not leave the ear thermometer exposed to any chemical solvent, direct sunshine or high temperature.
- Do not drop, stand on or subject the ear thermometer to vibration or impact.
- Do not use a mobile phone in the vicinity of the ear thermometer when in use.
- Please dispose of used batteries with care.
- Remove the batteries if the thermometer is not going to be used for long periods.

# User Manual of Digital Ear Thermometer

## Preparations:

1. To activate the ear thermometer, pull out the insulated strip from the battery door on the rear of the product.
2. Replace any low - voltage batteries to ensure a full power supply.
3. For any accurate measurement, condition the thermometer for 30 minutes at room temperature.
4. An unexpected change in ambient temperature is likely to reduce the measuring accuracy. Any attempt to perform a temperature measurement in front of an air conditioning unit will result in inaccurate results.
5. Ensure the ear is clean since a cerumen (earwax) filled ear can cause inaccuracy.
6. Measurement should be taken at rest to ensure an accurate result.  
Temperatures are likely to be elevated immediately after exercise or bathing.

## Methods for proper operation (I): BODY TEMPERATURE MEASUREMENT:

1. Gently pull the ear back to straighten the ear canal (refer to instruction 2 on page 8 of this booklet), whilst pulling the ear back, insert the probe into the ear canal and press the measurement key "START" once to start the measurement. You will hear a short beep once the measurement has started. Upon completion of the measurement you will hear a short melody. You will hear the result from the speaker or view the measurement on the LCD screen.
2. The result will automatically be stored into the memory. The memory stores up to 30 measurements, if the memory is full, the oldest measurement will be deleted. The new measurement will be stored in the memory as the latest result. All other stored results will move down by one.
3. It is recommended that a maximum of three consecutive ear temperature measurements are taken. If the temperatures differ, take the highest reading. If there is the need to take a further measurement, wait at least 10 minutes after the third measurement.



# User Manual of Digital Ear Thermometer

## Methods for proper operation (I): BODY TEMPERATURE MEASUREMENT:

4. Displayed Measurements - The measuring temperature range is between 32°C and 42.9°C (89.6°F–109.3°F). If a measurement exceeds 42.9°C (109.3°F), a "HI" message will be displayed. If a measurement falls below 32°F (89.6 °F), a "LO" message will be displayed.
5. After completing a series of measurements, the thermometer will return to time mode after 1 minute.
6. The thermometer will automatically switch off 3 minutes after the last key was pressed.

## Methods for proper operation (II): M =Memo key      T = Talk key

1. It is possible to activate a search mode when the thermometer is in the time mode. To do so, press the "M" button. If no data is stored, "--" will be displayed. If data is stored, the number of sets of data will be displayed, i.e. "21". Pressing and holding the "M" key allows you to scroll through the stored data. If a key is not pressed, the thermometer will return to the time mode after 1 minute.
2. Time Mode.
  - 2.1. The thermometer reverts to time mode when:
    1. Power on.
    2. No keys have been pressed for more than one minute.
  - 2.2 For normal status:
    1. Time is displayed in a sequence of year, month, date, week, hour, minute with a flickering ":" for the seconds.
    2. Press the "T" key to report current time: or measured temperature.
    3. Press and hold "M" key for 2 seconds to initiate setup mode.
    4. Press "°C/°F" to select Celsius or Fahrenheit.

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## Operation (2.1):

1. Time mode.
2. Set up mode key.
3. Press and hold the "M" key for approximately 2 seconds until the hour flashes and the word "SET" appears on the display.
4. Press the "M" key to increase the digit until you reach the correct hour.
5. Press the "T" key to switch between the hour, minute, year, month and date, following step two at each stage.
6. Press the "T" key to resume a normal status.
7. Press "T" to report current time.
8. Press and hold the "T" key for 2 seconds to activate or disable the talking function during measurement, you still hear "didi" no matter if it is in talking or non-talking mode.
9. Unit will return to time mode automatically for 1 minute after last key pressed.
10. Unit returns to time mode automatically for 5 seconds after last press of "M".

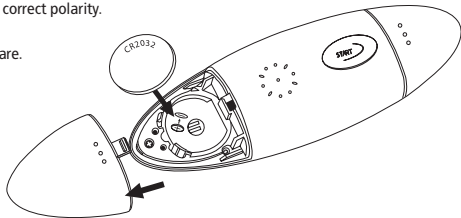
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## Operation (2.2):

1. For new users of the ear thermometer, it is recommended that the first time you use the thermometer, 3 readings are taken from the same ear. The maximum reading should be taken as continuous use will always indicate a variance of + or - 0.3°C (+ or - 0.5°F).
2. For patients in good health, there is little variation in temperature between either ear, usually different measurements are caused by inserting the probe into the ear canal incorrectly. When using the thermometer, always use the ear that displays a stable and relatively higher temperature.
3. Ensure that the ear is clean before measurements are taken.

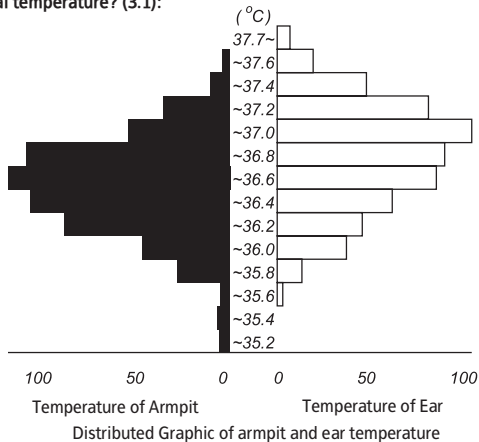
## REPLACING THE BATTERIES:

1. Remove the battery cover.
2. Insert the battery, observing the correct polarity.
3. Replace the battery cover.
4. Dispose of used batteries with care.



# User Manual of Digital Ear Thermometer

What is a normal temperature? (3.1):

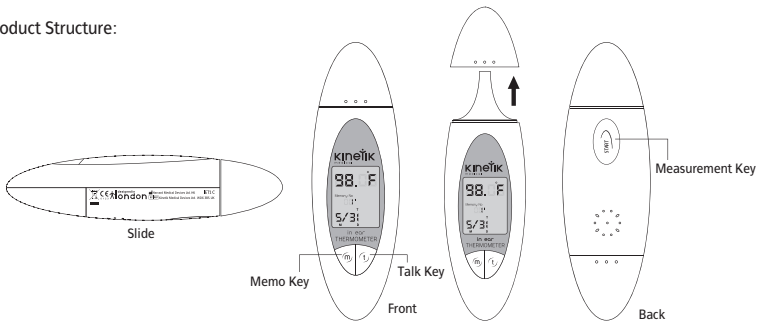


# User Manual of Digital Ear Thermometer

## Function:

- Date and Time Display.
- Date follows the Gregorian calendar (1901 - 2099).
- Time display mode is 12 hour clock.
- Temperature Range 32°C - 42.9°C (89.6°F - 109.3°F).
- Memory capable of storing 30 sets of data for 30 days. Stores date, time (am or pm) and temperature.
- Voice prompt reports measurement in °C/°F.

## Product Structure:



# User Manual of Digital Ear Thermometer

## Ear temperature measurement:

### 1. Why take an ear temperature measurement?

The object of taking a temperature measurement is to establish what the core body temperature is. This equates to the temperature of the vital organs. The temperature of the ear accurately reflects the temperature of the vital organs because it shares a blood supply with the hypothalamus, which is the control centre for body temperature in the brain. Therefore any changes in core body temperature are seen in the ear a lot quicker than other, more traditional, temperature measuring sites.

### 2. How to use the thermometer correctly?

For children under one year of age, pull the ear straight back to ensure the ear canal is straight, then insert the probe into the ear canal to take a measurement.

For children over 1 year of age, and adults, pull the ear back and up to straighten the ear canal and then insert the probe into the ear canal to take a measurement.

### 3. What is a normal temperature?

Body temperature varies depending on age, time of day and the ambient temperature. Clinical trials indicate that a measurement from the ear is more accurate than one from the armpit. It is advisable to establish what the patient's normal temperature is.

# User Manual of Digital Ear Thermometer

## Maintenance and Storage:

### Maintenance:

1. Remove any marks on the thermometer with a soft and dry cloth
2. Do not wash with water or detergent containing an abrasive

### Storage:

1. Clean the thermometer after each use.
2. Do not leave the thermometer exposed to or at high risk of direct sunlight, high temperature, moisture, fire, vibration or impact.
3. Remove the batteries if the thermometer is not going to be used for any length of time.

### Calibration:

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

**\* DO NOT ATTEMPT TO MODIFY OR REASSEMBLE THE THERMOMETER**

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## PROBLEMS AND TROUBLESHOOTING:

Problem	Check	Solution
No response	Batteries flat Incorrect polarity	New batteries Replace batteries in correct polarity
Battery symbol on LCD	Low Battery	Install new batteries
"Lo" on screen (result below 32°C / 89.6°F)	Is the thermometer inserted correctly?	Follow users instructions in the manual
"Hi" on screen (result above 42.9°C / 109.3°F)	Is the probe with dirt?	Clean the probe
"ErrE" on screen	Thermometer outside of range	Condition the thermometer before use at room temperature
"ErrU" on screen	Will not measure after pressing	Follow users instructions in the manual
"ErrH" on screen	Error detected	Return product to your local distributor

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## Specification:

1. Product Name: Digital Ear Thermometer
2. Model: IET I Series
3. Power supply: 3V (CR2032)
4. Power consumption: <0.05W (for voice prompt)
5. Temperature sensing part: IR sensor
6. Measuring range: 32.0°C~42.9°C (89.6°F -109.3°F)
7. Measuring accuracy:
  - +/- 0.2°C (or +/- 0.4°F) from 35.5°C ~ 42.0°C (or 95.9°F to 107.6°F)
  - +/- 0.3°C (or +/- 0.5°F) from 32.0°C~35.4°C(or 89.6°F to 95.7°F)
  - from 42.1°C ~ 42.9°C (or 107.8°F to 109.3°F)
8. Outer dimension: 122(L) mm x39(W) mm x 28 (H) mm
9. Weight: 48g
10. Working environment: Temperature: 15°C~40°C(59.0°F to 104.0°F)  
Relative humidity: 20%RH~85%RH
11. Storage environment: Temperature: -10°C~55°C(14.0°F to 131.0°F)  
Relative humidity: 20%RH~85%RH
12. EQUIPMENT NOT SUITABLE FOR USE IN THE PRESENCE OF A FLAMMABLE ANAESTHETIC MIXTURE WITH AIR OR WITH OXYGEN OR NITROUS OXIDE
13. Continuous operation
  - Dispose of used batteries with care.
  - Do not disassemble, recharge, dispose battery in fire.
  - Do not mix new and old batteries

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## Accessories:

1 x User Manual

## Warranty:

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

1. Failure resulting from unauthorised disassembly and modification.
2. Failure resulting from unexpected dropping during application or transportation.
3. Failure resulting from not following the instructions in the users manual.



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