

Kineĭk

medical health monitors for everyone



Digital Forehead & Ear Thermometer

User Manual

FET 1 Series

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Introduction

Thank you for purchasing the Kinetik Digital Forehead & Ear Thermometer. Please read all the instructions in this user manual carefully before taking measurements, and keep it safe for future reference.

Measuring the body temperature is important because changes in temperature, either higher or lower, can mean the start of an illness.

The Digital Forehead & Ear Thermometer is fast and effective. It is ideal for all the family and can take readings from both the side of the forehead (with the adaptor in place) or from the ear (without the adaptor).

Taking a temperature reading from the ear is fast and accurate because the ear drum shares the blood supply with the centre of the temperature control in the brain.

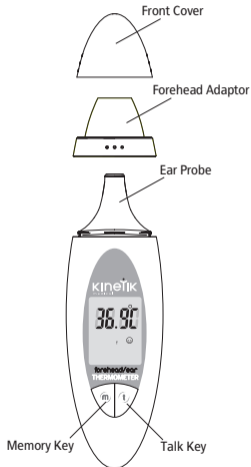
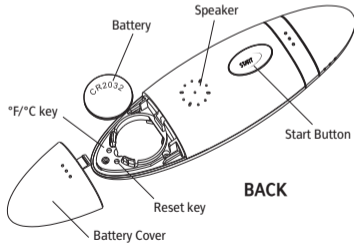
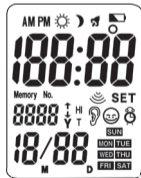
The forehead adaptor allows you to take a temperature reading with a gentle scan of the temple area. This measures the temperature of the blood supply under the skin of the temple, readings can even be taken from a sleeping child.

Parts

Function:

- Date and Time Display.
- Date follows the Gregorian calendar (1901-2099).
- Time display mode is 12 hour clock.
- Temperature Range 32.0°C - 42.9°C (89.6°F - 109.3°F).
- Memory capable of storing 30 sets of data for 30 days. Data stored is date, time (am or pm) and temperature.
- Voice prompt reports measurement in °C/°F.

Product Structure:



Features

1. Measure temperature in 2 convenient ways - ear or forehead.
2. Fast and accurate.
3. Temperature measured can be read out loud by the device.
4. Display changes from temperature display to clock when not used for 30 seconds.
5. Memory capable of storing 30 sets of data. Stores date, time, and temperature.
6. Temperature range 32.0°C – 42.9°C (89.6°F – 109.3°F).

Set Up

1. To activate the 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. To ensure accuracy, condition the thermometer for 30 minutes at room temperature before taking a measurement.
4. An unexpected change in ambient temperature is likely to reduce the measuring accuracy. Avoid using the thermometer in areas where this is possible - e.g. In front of an air conditioning unit.
5. Ensure the ear is clean before taking an in-ear measurement to ensure accuracy.
6. Measurement should be taken at rest to ensure an accurate result. Temperatures are likely to be elevated immediately after exercise or bathing.

Setting up the clock and calendar m = Memo key t = Talk key

1. Ensure dual thermometer is in time mode.
2. Press and hold the "memo" key for approximately 2 seconds until the hour flashes and the word "SET" appears on the display.
3. Press the "m" key to increase the digit until you reach the correct hour, minute, year, month and day.
4. Press the "t" key to switch between the hour, minute, year, month, date and week, following step 3 at each stage.
5. Press the "t" key a final time to exit setup.

The Talking Function

- * Press "t" to report current time.
- * Press and hold the "t" key for 2 seconds to activate or disable the talking function during measurement. Beeps will still indicate measurement start / finish regardless of talking mode.

Standby mode

- * Unit will return to time mode automatically 1 minute after last key pressed.
- * Unit returns to time mode automatically 5 seconds after last press of "m".

°C or °F

Use a ball point pen to press the "°C / °F" button (located in the battery compartment) to switch between Celsius and Fahrenheit.

Before you Start

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.


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

It is recommended that if you suffer from otitis or tympanitis that you do not use the ear probe on this thermometer.

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

Taking a Temperature Reading

Using the Ear thermometer operation

Remove the cap and forehead adaptor from the dual thermometer to expose the ear sensor. The  symbol will be shown on the display. If the thermometer is in standby mode (displaying clock and date), press and release any button to turn it on.

1. Gently pull the ear back to straighten the ear canal, whilst pulling the ear back, insert the probe into the ear canal and press "START" once to take a measurement. You will hear a short beep once the measurement has started. Upon completion of the measurement you will hear a short double beep. 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.
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°C (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.



Taking a Temperature Reading

Using the Forehead thermometer operation

Make sure the Forehead adaptor is fixed on to the dual thermometer. The ☺ symbol will be shown on the display.

1. If the thermometer is on standby mode (displaying clock and date), press and release any button to turn it on.
2. Place the probe on the temple area of the forehead. Make sure the probe is not at an angle.
3. Press and release the "START" button. You will hear a short beep once the measurement has started.
4. Upon completion of the measurement you will hear a short double beep. You will hear the result from the speaker or view the measurement on the LCD screen.

Notes on forehead thermometer measurement

As forehead temperature is likely to be affected by sweat, oil and the surroundings, the reading should be taken as a guide only. If the probe is positioned wrongly at an angle to the forehead, the temperature reading shown will be that of the surroundings, thus much lower than the actual body temperature.

What is a Normal Temperature

Normal body temperature varies from person to person and can fluctuate throughout the day. It is important that you follow the instructions and take the temperature correctly. It is important to take several temperature readings when you feel well to determine your normal body temperature. Below is an indication of a 'Normal' temperature range.

High	37.9°C – 42.2°C
Raised	37.4°C – 37.8°C
Normal	34.0°C – 37.3°C

Please be aware that the Ear probe gives a more accurate temperature reading as the ear drum shares the blood supply with the centre of the temperature control in the brain.

Using the Memory

When the thermometer is in time mode, press “m”. The most recent reading will be displayed.

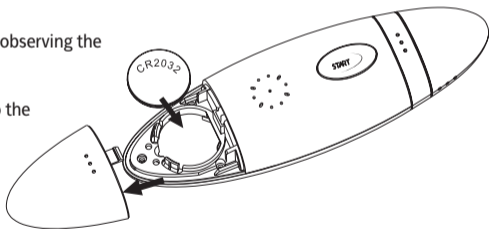
To scroll through the previous results continue to press “m”.

If there are no readings stored “--” will be displayed. The thermometer will return to the time mode after 1 minute.

Battery Information

REPLACING THE BATTERIES:

1. Remove the battery cover.
2. Replace used battery with a new one, observing the correct polarity.
3. Replace the battery cover.
4. Dispose of used batteries according to the manufacturers instructions.



WARNING: If the battery leaks and come into contact with the skin or eyes, wash immediately with copious amounts of water. Batteries should be handled under adult supervision.

Specification

1. Product Name: Digital Forehead & Ear Thermometer
2. Model: FET 1 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:
 - +/- 0.3°C (or +/- 0.5°F) from 32.0°C ~ 35.4°C (or 89.6°F to 95.7°F)
 - +/- 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 42.1°C ~ 42.9°C (or 107.8°F to 109.3°F)
8. Outer dimension: 125(L) mm x39(W) mm x 28(H)mm (approx)
9. Weight: 50g (approx)
10. Ambient working 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.

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 dirty?	Clean the probe.
"ErrE" on screen	Thermometer outside of range	Condition the thermometer before use at room temperature.
"ErrU" on screen	Has the "START" button been pressed firmly?	Follow users instructions in the manual.
"ErrH" on screen	Error detected	Return product to your local distributor.

FAQ's

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. A measurement from the ear is more accurate than one from the forehead which should be used for reference only. It is advisable to establish what the patient's normal temperature is.

4. Why take a forehead temperature measurement?

This will enable you to take the temperature of a sleeping baby and is also advisable if you suffer from conditions such as otitis and tympanitis. The ear probe will give the more accurate reading.

Maintenance and Cautions

Do not use the thermometer for other temperature measuring purposes.

The thermometer is not waterproof, avoid contact with liquid, including alcohol and water.

Do not leave the thermometer exposed to any chemical solvent, direct sunshine or high temperature.

Do not drop, stand on or subject the thermometer to vibration or impact.

Do not use a mobile phone in the vicinity of the thermometer when in use.

Batteries should be handled under adult supervision. Dispose of batteries according to the battery manufacturer's instructions.

Remove the batteries if the thermometer is not going to be used for long periods.

Cleaning:

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 your local distributor.

DO NOT ATTEMPT TO MODIFY OR DISASSEMBLE THE THERMOMETER



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