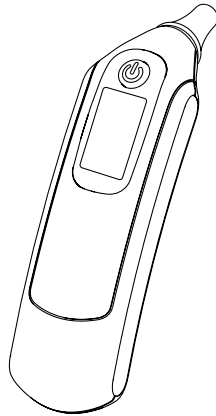


INSTRUCTION MANUAL

DIGITAL EAR THERMOMETER



KI-8130

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Safety Instruction

⚠WARNINGS:

1. Read the entire instruction manual before trying to operate the device.
2. The device is delivered non-sterile; please clean the device before measuring.
3. Stop using the device if malfunctions appear or if it operates abnormally.
4. Children should not use the device without the supervision of an adult. Keep out of reach of unsupervised children.
5. Do not use the device when flammable materials are around.
6. Do not place the device on scarred tissue, open wounds or abrasions.
7. If the device has been kept or stored in extreme temperatures, wait at least one hour for the device to return to room temperature before measuring.
8. Do not touch the probe, unless the device is taking a measurement.
9. The device is not water resistance, please keep dry.
10. Do not drop the thermometer or expose it to heavy shock.
11. Do not bite or swallow the probe and the battery cover.
12. Do not let thermometer come into contact with any thinner or chemical solvents
13. Components may be harmful if swallowed. Contact a physician immediately should this occur.
14. Do not use it if the display malfunctions or it operates irregularly.
15. Do not put this unit in dishwasher.
16. Performance of the thermometer may be degraded if: Operated or stored outside stated temperature and humidity ranges or if the patient's temperature is below the ambient (room) temperature.

Safety Instruction

17. Only use the thermometer indoors and do not use it near mobile phones or microwave ovens. In the case of thermometer whose maximum power exceeds 2W, the minimum distance from thermometer should be 3.3 meters (11 feet) .
18. The reading is for reference, if you feel sick or uncomfortable, please contact the physician.

⚠CAUTIONS:

1. Do not scrape or scratch the probe as it will hamper the effectiveness of the device.
2. Do not dismantle the device except when replacing the battery.
3. Wait at least thirty minutes after exercising, bathing or eating before taking a measurement.
4. If the subject's body temperature is lower than the room temperature, a false reading may occur.
5. To ensure the best performance of the device, please follow the Product Specification "**Storage condition**" regarding temperature and humidity ranges for storing the device.
6. Dispose of the device and battery according to your local regulatory or environmental protection agency.
7. The device is not intended for use in the emergency medical services environment

For maximum performance of the device, we recommend a device calibration every two years.

Device Description and Intended Use

The thermometer is an electronic device intended to measure the body (human) temperature. It is designed to absorb the infrared from human body to detect your temperature. It can be used with adult or pediatric patients and it can be used in household.

About Body Temperature

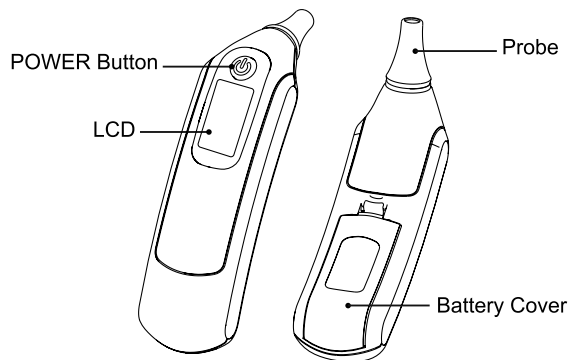
A person's normal body temperature can range from 95.9°F to 100.0°F throughout the day. We recommend taking your temperature at different times during the day when you are NOT sick. This will give you a preliminary reference to know what your normal temperature is and how it fluctuates during a normal day. Then, when you feel sick or uncomfortable, knowing this information will provide an index for a reliable diagnosis of a fever.

Contraindications

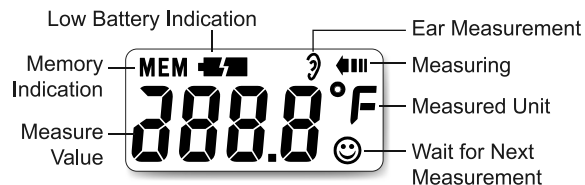
The thermometer is contraindicated:

1. Place the probe in scarred tissue or tissue compromised by any disorders of measuring site.
2. Patients in trauma or treat with certain drug therapies of measuring site.

Device Overview



Display Overview



Quick Start

1. Install batteries into the device. Make sure the polarity (+ and -) of the battery matches as shown in the battery compartment.
2. Press and release the power button, you will hear a short beep. The device will be ready for measuring when two short beeps are heard.
3. Place the probe on the measuring site.
4. Press the power button then read the temperature on the display.



Explanation of Symbols

	Power on, off
	Measuring
	Ear
	Low Battery Indication
MEM	Memory Indication
	Wait for next measurement

dEL	Delete memory
OFF	Power Off
	Please read thoroughly before using.
	Warning and Caution
LOT	YYMM : Lot Number composed by year(Y) and month(M) of manufacture.

Battery Installation

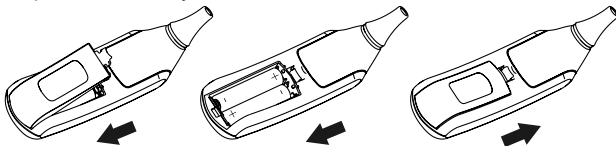
⚠WARNING

Use only same type of alkaline batteries to avoid incompatibility.

1. Replace with 2 new AAA batteries simultaneously when the low battery indication appears.
2. Remove batteries if the device is not likely to be used for a long period of time.
3. Do not dispose the batteries in a fire, the batteries will explode.

Replace Battery

1. Remove the battery cover to insert batteries.
2. Confirm the polarity (+ and -) of batteries are correct as indicated inside the compartment and insert batteries accordingly.
3. Replace the battery cover.



Setting

Setting °C or °F Scale

1. Turn on the device by pressing and release the button.

Setting

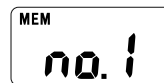
2. Press and hold the button within first 2 seconds until °C or °F change, release the button as soon as change occurs.
3. Press and hold the button again for 2 seconds to switch back and forth from °C or °F.



Memory Function

Recall Memory

1. When the unit is off, press and hold the power button around 3 seconds until the last memory shows.
2. You may continue to press and release the power button to recall up to 9 previous records.
3. Discontinue pressing the power button to stop recalling memories.
4. The memory will flash for times then the device is ready to do a new measurement.



Delete All Memory

When the device is in memory mode, press and hold the power button to delete all memories, then the device will be off automatically.



Otherwise,

1. To stop deleting memories, do not press the power button when you see "dEL".
2. Then the device will return to memory mode after 2 seconds then it is ready for measurement.

Use

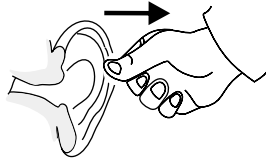
Measurement Consideration

⚠CAUTION

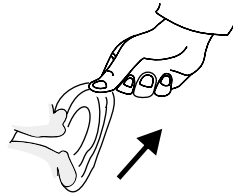
1. Make sure the measuring site is dry, clean prior to measurement taking.
2. Clean the probe before and after each measurement to prevent cross-contamination, see **Cleaning & Disinfection**.
3. After cleaning and disinfection the probe, please wait for at least 2 minutes to do a measurement.

1. Straighten the ear canal.

For Children under 12 months: Make the ear canal straight by gently pulling the ear backward.



For Children over 12 months and Adults: Make the ear canal straight by gently pulling the ear backward and upward.



2. Place the probe inside the ear canal.
3. Press and release power button to do a measurement.

Doing A Measurement

1. Press and release the power button to turn on the device; it will auto self-diagnosis.
2. After completing self-diagnosis, the device will be ready for measurement.
3. Press and release the power button then read the temperature.



Use

4. The backlight will light up in accordance with the temperature, shown as below table.

Temperature (T)	Backlight
$T \leq 98.9$	Green Backlight
$99 \leq T \leq 99.4$	Yellow Backlight
$99.5 \leq T$	Red Backlight

Cleaning & Disinfection

1. To clean and disinfect the device, use a cotton swab or pad moistened with 70% alcohol to wipe the Sensor and Probe.
2. Use a cloth dampened with water or neutral detergent to clean and dry the device.
3. Do not use thinner, benzene, and other harsh cleaners for cleaning the device.
4. Do not immerse the unit in water or liquid of any kind. **The unit is not water proof.**

⚠Do not submerge or expose the device to water.

⚠Do not use corrosive detergent to clean the device. Clean and disinfect the thermometer before and after use.

Cleaning process:

1. Pre-cleaning with cold water wash several times.
2. Clean the probe with a solution of 5-10% mild detergent about 10-15 seconds.
3. Continuously clean with cold water to avoid any chemical residues remaining on the device.
4. Rinse the device with drinking water or distilled water to ensure the removal of all remnants of the cleaning agent.
5. If necessary, repeat step 2 through step 4 in order to make sure the device is clean.

Cleaning & Disinfection

6. A final wipe down by a clean wipe is necessary to avoid of water stains.

Disinfection process:

1. To disinfect the device when completed the cleaning process.
2. Wipe the probe with a cloth dipped in a disinfectant solution such as 70-75% isopropyl (rubbing) alcohol solution: contact time \geq 10 minutes for disinfection.
3. The disinfectant free rinse without residues.

Drying process:

1. After cleaning and disinfection process above.
- Put the device to air-dry in the room temperature 68-86°F, exposure time around 30-60 minutes.

Care and Storage

1. Do not drop or crush the device. It is not shock proof.
2. Do not dismantle or modify the device other than changing the batteries.
3. Do not store the device in an extreme environment with direct sunlight, high/low temperatures or in a location with high humidity or severe dust.

Please contact your local agents or distributors if the device does not function properly as specified under **Product Specification**.

Product Specification

Measuring site	Ear canal
Measuring times	3 seconds
Measuring range	90°F ~ 110°F(32.2°C~43.3°C)
Accuracy	96.8°F~102.2°F (36°C~39°C): \pm 0.4°F (0.2°C) <96.8°F (36°C) : 0.5°F(0.3°C) >102.2°F (39°C) : 0.5°F(0.3°C)
Resolution	0.1°F
Memory sets	9 sets
Operating condition	60.8°F~104.0°F(16°C~40°C), R.H. of 15~95% non-condensing
Storage condition	-4°F~120°F(-20°C~50°C), R.H. of 15~95% non-condensing
Battery	AAA battery x 2pcs
Battery life	More than 1000 measurements
Auto shut off	After 60 seconds of inactivity
Dimension	102.5mm x 26mm x 26mm
Weight	48g including battery
Warranty	1 year
Guarantee of Quality	ISO 13485 ASTM E1965-98

Trouble Shooting

H	The reading is higher than measuring range, please redo a measurement.
L	The reading is lower than measuring range, please redo a measurement.
Er.1	Out of operating condition.
Err	Device self-diagnostic error, please contact the distributor.

FCC Statement

POTENTIAL FOR RADIO/TELEVISION INTERFERENCE

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. The product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the product does cause harmful interference to radio or television reception, which can be determined by turning the product on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the product and the receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Limited Warranty

Warranty:

The device itself (battery excluded) comes with one year warranty from purchase date if it is operated under normal circumstances without evidence of tampering. See exclusions below.

Warranty exclusions:

1. If user does not properly operate the device according to the instructions as described in this manual.
2. If the device shows signs of tampering or attempted modification.
3. Improper handling, such as dropping, liquid or cleaner damage.
4. Natural disasters (such as fire, flood, earthquake, lightning strike).
5. If you do not have a receipt or proof of purchase showing date of purchase.

Lot Number Information

LOT NO. (YYMM) on the device label means the year and month of manufacturing. For example, "1712" means the device was manufactured in December, 2017.

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