

Non-Contact Digital Thermometer KI-8271 Instruction Manual

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Non-Contact Digital Thermometer

KI-8271

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Please read carefully before using

DEVICE DESCRIPTION AND INTENDED USE

The thermometer is an electronic device intended to measure the human body temperature using the forehead as measurement site. 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.

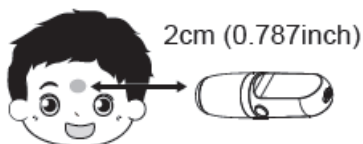
HOW TO USE

Measurement Consideration

CAUTION

Make sure the forehead site is dry, clean and free of sweat and cosmetics prior to measurement taking. Aim the probe center between your eyebrows at your forehead with 2cm(0.787inch) distance or object surface.

Aim the probe center between your eyebrows at your forehead within 2cm (0.787inch) distance.



Doing a Measurement

CAUTION

1. Clean the probe before and after each measurement to prevent cross-contamination. See Cleaning & Disinfection.
2. After cleaning the probe, please wait for 2 minutes at least to do a measurement.



1. Press the POWER Button to turn on the device, it will auto self-diagnosis.
2. When all symbols appear on the display, the self-diagnosis is finished.
Start measuring the temperature.
3. Aim the probe to the forehead within 2cm(0.787inch).
4. Press and release the ON/OFF button then read the temperature.
5. The device fever alarm will beep continuously when the temperature reading is over 99.5°F.
6. Press and hold the POWER button firmly for 5 seconds; it shows OFF with a long beep then turns off the unit.
The unit will show OFF then turn off with a long beep automatically if no use within 10 seconds.

Read-back last memory by NFC

Install OUcare APP from Google play or App Store successfully. OUcare not only collect temperatures but also can do graph for checking temperature's trend easily.



For Android mobile device: When the device is off, put mobile device above the thermometer, the last temperature will be read-back and show on mobile device.



For iPhone7 or above: The iOS should be 11.0 or above. When the device is off, press the **NFC** icon of APP then close to the thermometer, the last temperature will be read-back and show on mobile device. Refer to the figure of

NFC area of iPhone7 in the right.

CONTRAINDICATIONS

The thermometer is contraindicated:

1. Place the thermometer probe in scarred tissue or tissue compromised by skin disorders.
2. Patients in trauma or treat with certain drug therapies.
3. Place the thermometer probe on skin exposed to direct sunlight, fireplace heat, cold compress therapies, air conditioner flow, etc.

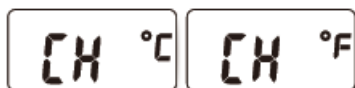
SETTING

Setting °C or °F Scale

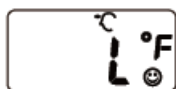
1. To set or reset the scale (°C or °F) you must begin with the device being powered off.



2. Press and release the POWER Button to turn on the device.
3. As soon as you hear a short beep, immediately press the POWER Button again but hold down for about 2 seconds until you see the °C or °F change. Release the button as soon as change occurs.
4. You may press and hold the POWER Button again for 2 seconds to switch back and forth from °C to °F.

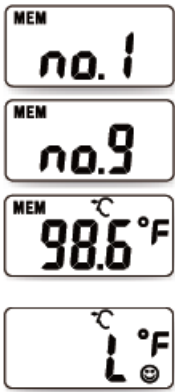


5. Whichever scale shows when you release the POWER Button will be the scale the device will show for the measurement.
6. The device will be ready to measure a temperature after short beeps.



MEMORY FUNCTIONS

Recall Memory



1. To recall a memory, you must begin with the device being powered off.
2. From the off position, press and hold the POWER Button (about 3 seconds) until the last record show.
3. You may continue to press and release the POWER Button to recall up to 9 previous records.
4. Discontinue pressing the POWER Button to stop Recalling Memories.
5. The device will beep twice indicating it is ready to begin a new measurement.

Delete Memory

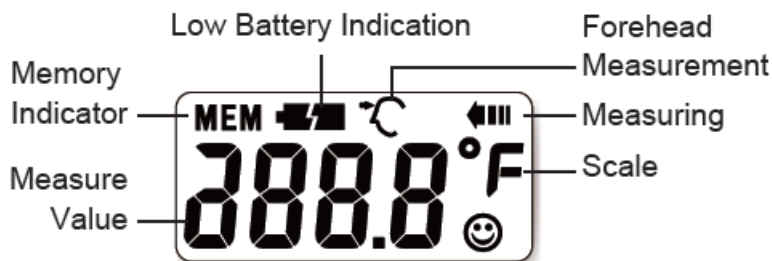
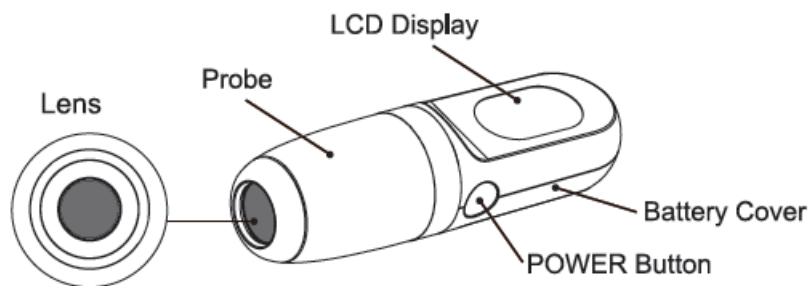


1. Repeat Recalling Memories step 1 and step 2.
2. Press and Hold the POWER Button for about 3 seconds until “dEL” is displayed.
3. Press and release the POWER Button again to delete all stored records in the device’s memory.
4. The device will power off automatically.

Otherwise

5. To stop Deleting Memories, do not press the POWER Button when you see “dEL” . The device will return to Recalling Memories step 3, or wait about 2 seconds more and the device will beep twice indication it is ready to take a new measurement.

DEVICE OVERVIEW & DISPLAY OVERVIEW











QUICK START












1. Install a battery into the device. Make sure the polarity (+ and -) of the battery matches as shown in the battery compartment.
2. Press and release the ON/OFF button, you will hear a short beep. The device will be ready for measuring.
3. Aim probe to the measuring site within measuring distance.
4. Press the ON/OFF button then read the temperature on the display.

PRODUCT SPECIFICATION





Measuring Site	Forehead
Measuring time	1 second
Display Temperature Range	71.6°F~109.9°F
Accuracy	71.6~104.0°F \pm 0.5°F
Display Resolution	0.1°F
Memory sets	9 sets
NFC	iPhone7 and above Android mobile device with NFC
Operation Environment	60.8°F~104.0°F up to R.H.95%, noncondensing
Storage Environment	-4°F~+122°F up to R.H.95%, noncondensing
Power Source	CR2032 battery x 1 pcs
Battery Life	3000 measurements at least
Auto Shut Off	After 10 seconds of inactivity
Dimension	90.1mm*26.2mm*26.2mm +/- 2% (3.55 inch*1.03 inch*1.03 inch +/- 2%)
Weight	Approx.36g including battery +/- 5%
Warranty	1 year
Certification	ISO 13485, ASTM E1965-98

EXPLANATION OF SYMBOLS

	Power Button
	Power Off
	Measuring
	Forehead
	Memory Indication.
	Device can do next measurement when it shows.
	Low battery indicator
	Keep dry

	Operating instructions.
	Manufacturer
	Authorized Representative in the European Community.
	The CE marking with the Registration Number of the Notified Body. This is denotes the compliance of European Medical Directive Device 93/42/EEC.
	Measuring site is forehead
	WEEE [Waste Electrical and Electronic Equipment Directive, 2012/96/EU] The device could be send back to the manufacturer for recycling or proper disposal after the expected life time. Alternatively the device shall be disposed in accordance with the national laws.
	ROHS symbol : This is denotes the compliance of Restriction of Hazardous Substances Directive.
	REACH symbol : Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) is a European Union regulation.
	Warning and Caution
	YYMM : Lot Number composed by month(MM) and year(YY) of manufacture.
	No PHT

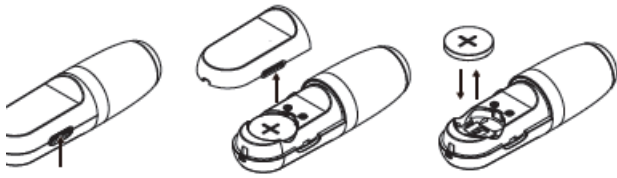
TROUBLESHOOTING

	The reading is over measuring range. Please wait a few minutes and measure again.
	The reading is under measuring range. Please wait a few minutes and measure again.
	The ambient temperature is out of the Operation Environment range.
	The device self-diagnostic is failed. Please contact the distributor.

BATTERY INSTALLMENT

WARNING

1. Replace with a new CR2032 battery when the low battery indication shows.
2. Remove the battery if the device is not likely to be used for a long period of time.
3. Do not dispose the battery in a fire, the battery will explode.
4. The memories might be erased after replacing the battery.



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

CLEANING & DISINFECTION

1. To clean and disinfect the device, use a cotton swab or pad moistened with 70% alcohol to wipe the 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.

Drying process

1. After cleaning and disinfection process.
2. Put the device to air-dry in the room temperature (20-30°C), exposure time around 30~60 min.
3. And store the device in a dry, clean, and dust-free environment at moderate temperatures of 5°C to 40°C.

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 battery.
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.

SAFETY INSTRUCTIONS

WARNING:

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. Some medications may cause a rise in skin temperature which can consequently lead to incorrect measurements.
8. Taking a measurement after skin has been exposed to an extreme condition such as direct exposure to sunlight, fireplace/ heater or air conditioner flow, may lead to incorrect readings.
9. 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.
10. Do not touch the probe.
11. The device is not water proof, please keep dry.
12. Do not drop the thermometer or expose it to heavy shock.
13. Do not bite or swallow the probe and the battery cover.
14. Do not let thermometer come into contact with any thinner or chemical solvents
15. Components may be harmful if swallowed. Contact a physician immediately should this occur.
16. Do not use if the display malfunctions or it operates irregularly.
17. Do not put this unit in dishwasher.
18. If the thermometer has been stored at below-freezing temperatures, allow the thermometer to warm naturally to room temperature before using.
19. 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.
20. 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 2 W, the minimum distance from thermometer should be 3.3 meters(10.827ft).
21. The reading is for reference, if feel sick or uncomfortable, please contact the physician.
22. Performance of the device may be degraded if operated or stored outside stated temperature and humidity ranges.

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 Environment" 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. Please do not operate this product in strong magnetic-field condition; this will cause impact on measuring result.
8. For maximal performance of the device, we recommend a regular checkup and device calibration every two years.

ABOUT BODY TEMPERATURE

A person's normal body temperature can range from 95.9°F to 100.0°F (35.5°C to 37.8°C) 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 fluctuated during a normal day. Then, when you feel sick or discomfort, knowing this will provide an index for a reliable diagnosis of a fever.

WARRANTY INFORMATION

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, thunder 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, "1904" means the device was manufactured in April, 2019.

[KI-8271-Non-Contact-Digital-Thermometer-User-Manual](#)

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