

DIGITAL THERMOMETER

INSTRUCTIONS FOR USE



KD-2070

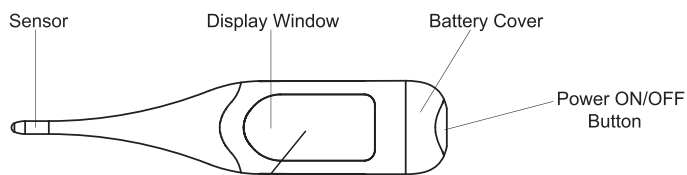
Read thoroughly before using the device

This digital thermometer is intended to measure the human body temperature for both children and adults in a household environment.

FEATURES

1. Fast oral and rectal temperature measurements in approximately 5 seconds with proper use.
2. 20 sets of memories. Recall all memories with Bluetooth 4.0 (BLE).
3. Very sensitive unit, easy to read digital LCD (liquid crystal display).
4. Compact, accurate and durable LSI (large scale integration) unit.
5. Dual display LCD can be used left-handed and right-handed.
6. If the thermometer is inadvertently left on after temperature stabilization, it will automatically shut off in approximately 30 seconds.
7. ABS resin body presents no hazard compared to broken mercury/glass thermometers.
8. Unit is water resistant.
9. Low battery indicator: when this symbol appears, the battery needs to be replaced.

PARTS DESCRIPTION



NOTE! Some units have a plastic sticker (showing a temperature) on the display that must be removed before using

SPECIFICATIONS

Range	: 89.6~111.1°F (32.0~43.9°C)
	Below 89.6°F displays L°F (below 32.0°C displays L°C)
	Above 111.0°F displays H°F (above 43.9°C displays H°C)
Resolution	: 0.1°F (0.1°C)
Accuracy	: ± 0.2°F (98~102°F) ± 0.1°C (37~39°C)
	± 0.3°F (96.4~97.9°F) ± 0.2°C (35.8~36.9°C)
	± 0.3°F (102.1~106°F) ± 0.2°C (39.1~41°C)
	± 0.5°F (less than 96.4°F) ± 0.3°C (less than 35.8°C)
	± 0.5°F (greater than 106°F) ± 0.3°C (greater than 41°C)
Battery	: CR2032 x 1 (included)
Power Consumption	: 0.40 milliwatts in measurement mode
Battery Life	: More than 1000 continuous measurements within one year limited warranty
Dimensions	: 137.5mm x 29.5mm x 13.5mm
Weight	: Approx. 22 grams including battery
Beeper	: Approx. 5 sec. sound signal upon reaching peak temperature
Memory	: 20 sets
Bluetooth	: 4.0 working area - no barrier with 4 meters
Working Conditions	: Temperature: 41~104°F (5~40°C)
	: Relative Humidity: 15~95% non-condensing
Storage Conditions	: Temperature: -13~131°F (-25~55°C)
	: Relative Humidity: 15~95% non-condensing
Guarantee of Quality	: Certification ISO 13485
	: Complies with ASTM-E1112, EN12470-3, EN60601-1
Product Classification	: Type BF equipment

EXPLANATION OF SYMBOLS

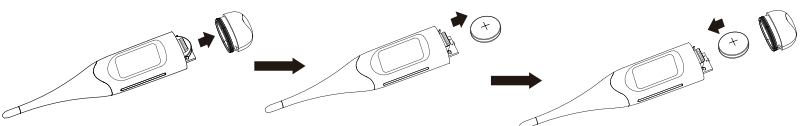
	Power (ON/OFF) button
	Temperature is lower than measuring range
	Temperature is higher than measuring range
	No memory stored in thermometer
	Memory
	Thermometer is connecting to your mobile device via Bluetooth 4.0
	Thermometer is writing-in to your mobile device via Bluetooth 4.0
	Low Battery indicator
	Self detection error
	Do not dispose of the thermometer and battery with regular household waste

PRECAUTIONS & IMPORTANT INFORMATION

1. Do not boil the probe. Clean the unit by wiping it with a dry cloth or disinfect it with a cloth slightly dampened with rubbing alcohol. See cleaning instructions for details.
2. Do not drop the thermometer or expose it to heavy shock. The unit is not shock-proof.
3. Do not bite or swallow the probe.
4. After using, clean the thermometer and store it in its clear protective case.
5. Always clean the thermometer probe before storing.
6. Do not store the unit in direct sunlight, at high temperatures or high humidity, or where it may be exposed to excessive dust. Performance may be degraded.
7. Stop using the thermometer if it operates erratically or if the display malfunctions.
8. Keep out of reach of unsupervised children. Supervision is recommended at all times.
9. Do not attempt to disassemble the unit except to replace the battery.
10. If the thermometer has been stored outside the stated storage condition range of temperatures (see specifications), allow the thermometer to naturally return to ambient (room) temperature before using.
11. If the thermometer is operated outside the stated temperature and humidity ranges or if the patient's temperature is below the ambient (room) temperature, performance of the device may be degraded.
12. Some drugs or drug therapies may affect a person's body temperature.

BATTERY REPLACEMENT

1. When the symbol appears, the battery needs to be replaced.
2. Pull the battery cover off in the direction shown below.
3. Use a pointed non-metal object such as a toothpick or insulated probe to pry loose the old battery. Avoid using sharp metal objects in this operation.
4. Place a new CR2032 battery in the chamber with the positive (+) side up and negative (-) side down.
5. Replace and securely fasten the battery cover.



Warning:

1. Discard old battery out of reach of young children. Swallowing the battery may be fatal. If the battery is swallowed, contact a hospital immediately to have it removed. Do not dispose of the battery in a fire as it may explode.
2. For battery disposition, please consider your local and state laws and regulations.

CLEANING INSTRUCTIONS

To clean the thermometer, wash the tip with a solution of mild detergent and cool water. Disinfect the thermometer by wiping the sensor and lower stem with a cloth slightly dampened with a household antiseptic solution such as rubbing alcohol.

BODY TEMPERATURE FACTS

THE TAKING OF BODY TEMPERATURES:

Changes in body temperature are one of the most significant indicators of illness. It is essential that accurate temperatures be taken. Even though the digital thermometer is used in a similar manner to the glass thermometer, it is important that these simple instructions for use be followed closely and that the person taking the temperature understands body temperature.

BODY TEMPERATURE:

A person's body temperature will usually be several tenths to one full degree lower in the morning than it is in the late afternoon. Therefore, if your temperature is 97.88°F (36.60°C) in the morning, it could be 98.42°F (36.90°C) or more in the late afternoon and still be normal. To determine what **your** normal body temperature is you should take it both in the early morning and in the late afternoon over several days. Children have the same normal temperature range as do adults. A fever for both children and adults is typically defined as a temperature over 99.50°F (37.50°C), oral reading. Exercise, excessive clothing, hot bath, hot weather or warm food and drink can cause mild elevations of up to 100.40 to 101.12°F (38.00 to 38.40°C) in oral temperature. If you suspect one of these to be the cause of an elevated reading, eliminate the possible cause and retake the temperature in a half hour.

HOW TO USE

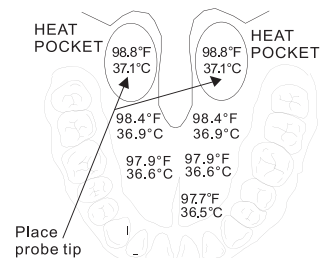
1. First remove the thermometer from its clear plastic protective cover and disinfect the probe with rubbing alcohol before using.
2. Press and release the ON/OFF button. The display will read . Fever Flash® colors will flash (Red > Orange > Green).
3. The display will first show the most recent temperature reading (memory) then an L°F or L°C. Next the °F or °C begins flashing along with dashes that flash across the display.
4. Place the probe in the appropriate position (oral or rectal).
5. Once the °F (°C) on the display has stopped flashing, the correct temperature is indicated and the Fever Flash® color will light according to the measured temperature. **See color chart.**
6. The temperature reading will not change after the °F (°C) stops flashing.
7. The unit will automatically turn off in approximately 30 seconds. However, to prolong the battery life, it is best to turn off the thermometer by pressing the ON/OFF button once the temperature has been noted.

Color Chart

Reading in °F	Reading in °C	Fever Flash® Back Light Color
UP TO 98.9	UP TO 37.1	GREEN
99.0 – 99.4	37.2 – 37.4	ORANGE
99.5 AND UP	37.5 AND UP	RED

ORAL USE

Place the probe well under the patient's tongue with the probe sensor in the "heat pocket" (see diagram). Instruct them to keep their mouth closed while the thermometer is reading. You may find it necessary to hold the unit in place while it is reading so you do not bite the probe. **A normal temperature by this method is usually considered between 96.8°F to 98.9°F (36.0°C to 37.2°C).**



* **Although this thermometer identifies a fever as 99.5°F and above, a temperature of 99.0° is a potential fever for individuals that have a normal temperature range of 97° to low 98°**
REMEMBER: It is very important to find YOUR normal temperature and watch for changes.

SPECIAL FEATURES

Normal Temperature Alarm: An alarm will sound when the peak temperature has registered and is ready-to-read. This "Normal Temperature" alarm (four quick beeps followed by a pause) will sound repeatedly for approximately 5 seconds.

Temperature Memory Recall: When the unit is off, press and hold the ON/OFF button until 'bt' displays. Again press and hold until the most recent memory reading is visible. Continue to press and release to view additional memories. Memory readings show from the most recent to the oldest and include the memory number and corresponding temperature (see example 1). If there are no memories stored in the thermometer, the LCD shows 'non' (see example 2).

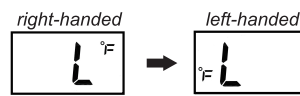


Fever Alarm: If the temperature registers 99.5°F (37.5°C) or higher, an alarm will sound when the peak temperature has registered. The alarm is a quick continuous beeping sound that lasts approximately 8 seconds.

For Switchable Fahrenheit and Centigrade Models: You can switch the mode from Fahrenheit to Centigrade (or C to F) within 2 seconds of turning on the thermometer. After turning it on, immediately press and hold the ON/OFF button until you hear a beep and see the F or C change.

Switch the display mode (right-handed or left-handed):

After turning on and while the °F or °C is flashing, press and hold the ON/OFF button until the °F or °C turns upside down then release. This enables you to switch the display from right-handed to left-handed or vice versa. The display will remain in RH or LH mode until it is changed again or until the battery is removed and replaced. Default mode is right-handed.



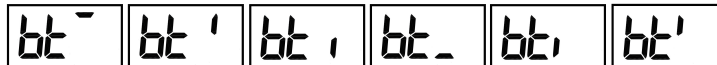
User can record all memories on their Bluetooth 4.0 mobile device with the application software located on the OUCare website.

For more complete information, visit <http://www.oucare.com/products-cbt.html>

For information and help in using this thermometer with your mobile device, refer to the enclosed Quick Start Guide.

Read-back memories & write-in setting via Bluetooth 4.0

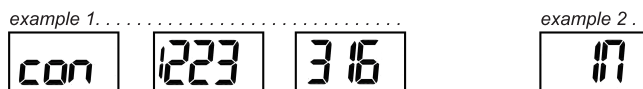
When the thermometer is off, press and hold the ON/OFF button until 'bt' shows, then release. The LCD will display 'bt' with a small dash flashing clockwise in sequence (see example below). The thermometer is now ready for data transmission to your mobile device via Bluetooth 4.0. Note: the unit will automatically power off after 30 seconds of inactivity.



Once the Bluetooth connection is made, the LCD will display con. Your Bluetooth device will automatically sync-up with the thermometer, after which the LCD will display the date and time. Date format is MMDD, the time does not indicate AM or PM.

Example 1: the date is December 23 and the time is 3:16.

Example 2: after sync-up is complete, the thermometer will begin writing-in to your mobile device.



LIMITED WARRANTY

This thermometer (battery excluded) is guaranteed for one year from the date of purchase against manufacturer's defect under normal, household use and without evidence of tampering.

WARRANTY EXCLUSIONS:

- Device is not properly operated according to the instructions as described in this manual.
- Device shows any signs of tampering or attempted modification.
- Evidence of improper handling or storing, such as dropping, electric shock, heat, liquid or cleaner damage.
- Natural disasters (i.e., fire, flood, earthquake, lightning)
- **No receipt or proof of purchase showing date of purchase**

FOLLOWING THE INSTRUCTIONS CLOSELY WILL ENSURE YEARS OF DEPENDABLE OPERATION.

If the thermometer does not function properly, first check the battery and replace if necessary (see battery replacement instructions). If the unit still does not function properly, contact 180 INNOVATIONS at info@180innovations.com or call 1-877-299-6700.

Our representative will provide further instruction to correct the trouble or will ask you to return it along with proof of purchase for repair or replacement.

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment 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. This equipment 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 this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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