



IR Ear Thermometer with Bluetooth
Model: GSH-BTS30 1



User's Manual

Please read this instruction manual carefully
before using your ear thermometer

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General Advice

When using this product, please be sure to follow all the notes listed below. Any action against these notices may cause injury or affect the accuracy.

1. Do not disassemble, repair, or remodel the thermometer.
2. Be sure to clean the thermometer lens each time after usage.
3. Avoid direct finger contact with the lens.
4. No modification of this equipment is allowed.
5. It is recommended that user may take 3 temperatures. If they are different, use the highest reading.
6. Do not expose the thermometer to extreme temperature, very high humidity, or direct sunlight.
7. Avoid extreme shock or dropping the device.
8. Before the measurement, patients and thermometer should stay in steady state room condition for at least 30 minutes.
9. Avoid measuring temperature in 30 minutes after exercise, bathing, or returning from outdoor.
10. To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.
11. Please use the thermometer solely for its intended purpose.
12. There are no absolute body temperature standards. Keep reliable records of your personal temperature to serve as a reference for judging a fever.
13. Under any circumstances, the temperature taking result is ONLY for reference. Before taking any medical action, please consult your physician.

Product Overview

Intended Use:

This IR Thermometers are intended for the intermittent measurement of human body temperature in people of all ages in a home-use environment.

Contact type: Ear

This thermometer takes temperatures in seconds by measuring the heat generated by the ear canal. This product conforms to the provisions of the EC directive MDD(93/42/EEC).Its advantages include:

Bluetooth: Bluetooth Low Energy v4.0

One-second Reading

Large LCD Display: Equipped with a large LCD display, results are easy to read.

Accurate and Reliable

Probe Cover Free

Waterproof Probe Design: Waterproof probe tip and easy to clean. It enables temperature readings, designed for sanitary conditions, cleanliness, and convenience.

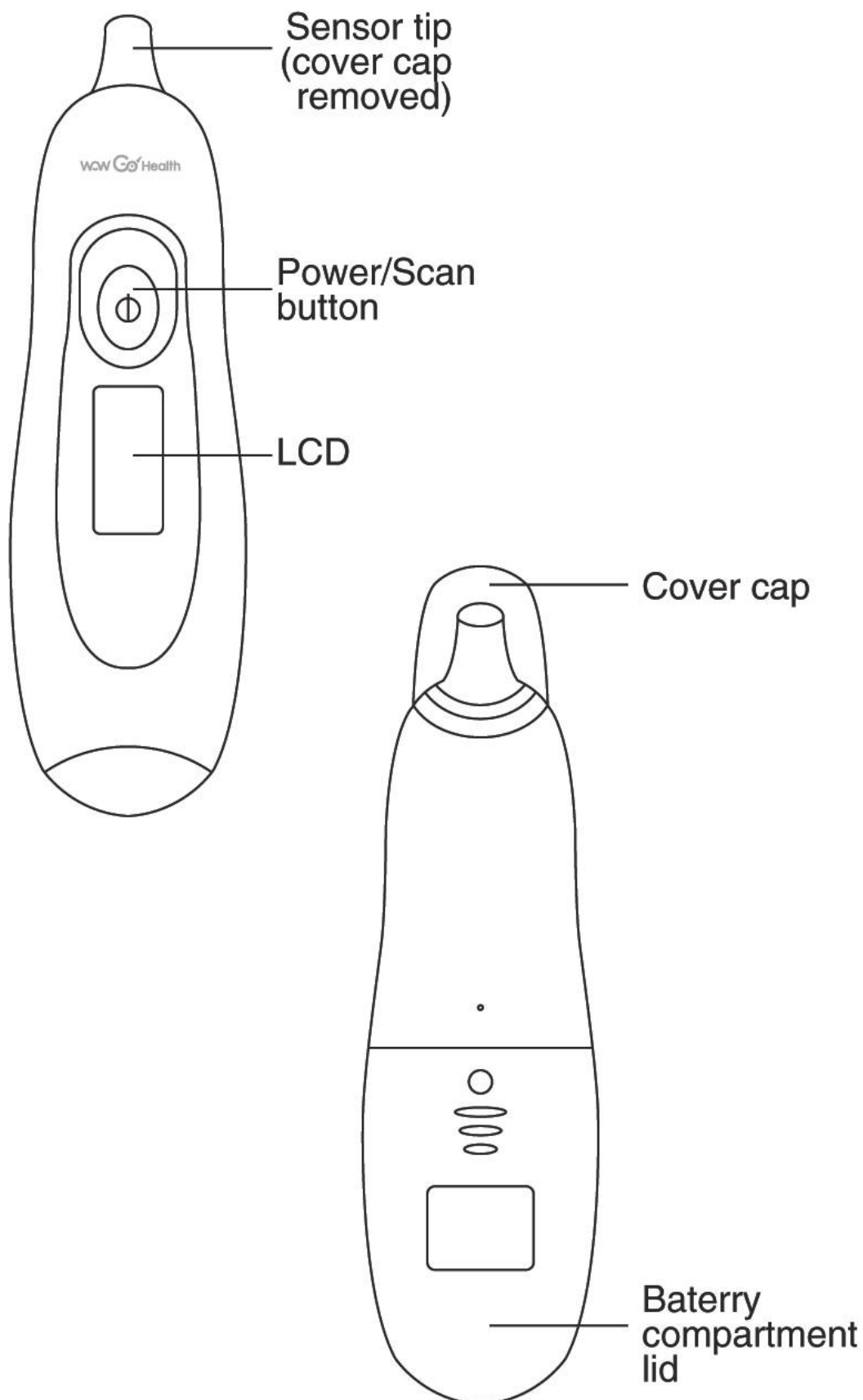
Low-battery Indicator

Power Saving-Auto Power Off: Auto power off after 30 seconds idling.

Note:

For long durations of non-operation, please remove all batteries from the device. Batteries should be disposed of in accordance with local environmental and institutional policies.

Device Description



Symbol Key

	Degrees of Temperature
	Fahrenheit Scale
	Low battery Warning
	Temperature below 100.4° F
	Temperature 100.4° F or higher
	Scan in Progress

Replacing the battery

Low battery warning:

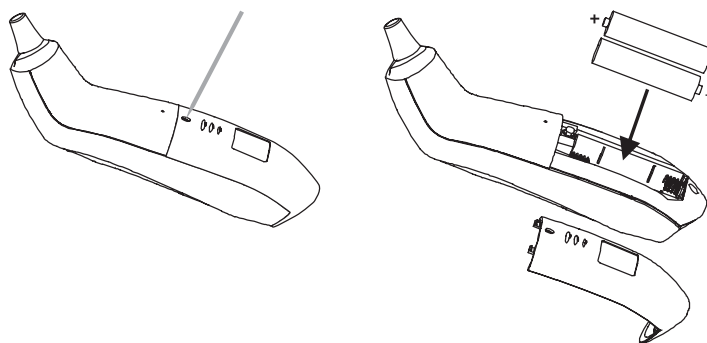
When the battery power becomes low, the low battery symbol will appear on the display. The thermometer can still be used during this time, but the batteries should be replaced as soon as possible. If the batteries run out completely, “Lo” will be displayed along with the low battery symbol.

In this case, the batteries will need to be replaced before using the thermometer again.



Replacing the Battery:

1. Use a Phillips head screwdriver to loosen battery cover screw. Remove the battery cover.
2. Insert or replace 2 x 1.5 V AAA alkaline batteries into the battery compartment, ensuring to match the indicated polarity symbols. Always use new batteries.
3. Place the battery cover on the thermometer and tighten the screw to secure it in place.



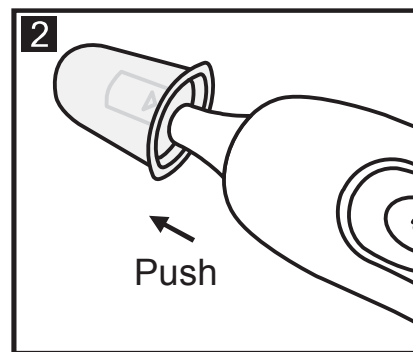
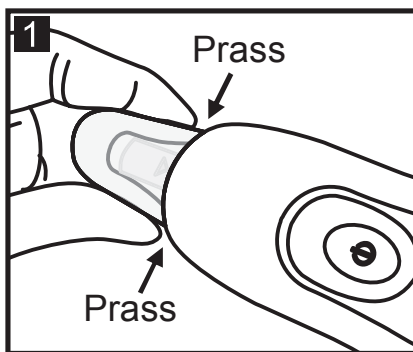
NOTE: Battery-operated

1. Please properly dispose of the batteries away from small children and heat.
2. For long durations of non-operation, please remove all batteries from the device.
3. Dispose of used batteries in accordance with the applicable legal regulations. Never dispose of batteries in the normal household waste.

Operating Thermometer

Before each use, please check that the lens on sensor tip is intact. If it is damaged, please contact your retailer or the service address. Bear in mind that the thermometer needs to have been in the room in which the measurement is taken for at least 30 minutes before use. All segments Previous Temp.

1. Remove the front cover : Remove the cap by gently pushing it up (1) and then pulling it off forwards (2).



2. Turn On: Press and release the button “⏻” . All segments are displayed for 1 second. A short beep will occur and the last temperature measured appears.
3. Make sure that the sensor tip and also the ear canal are clean. As the ear canal is slightly curved, you have to pull the ear slightly up and backwards before inserting the sensor tip. This is important so that the sensor tip can be pointed directly at the eardrum.

Operating Thermometer

Position thermometer probe properly in ear canal:

- **Under 1 year:**

Have child lay flat with the head sideways, so that the ear is facing upwards. Gently pull the ear straight back.

- **1 year +:**

Stand behind and slightly to the side of the child/adult. Gently pull the ear up and back to straighten the ear canal.



4. Insert the sensor tip carefully and press the Power button for 1 second.
5. Release the button. The end of the measuring time is signaled with a short beep and the measured value appears on the display.



Operating Thermometer

FEVER ALERT NOTE:

If patient has an elevated temperature 100.4 °F or higher, the ☹ icon will appear and multiple beeps will sound.



The LCD screen displays “Lo” or “Hi”

When the temperature measured is outside of the thermometer’s operating environment range.



The mark “Err” appears

If the operating environment temperature is outside of the permissible range.



Operating the Bluetooth function

What You Need

GSH-BTS301 Bluetooth IR Ear Thermometer

An Android device with Android version 4.3 or above and hardware support for Bluetooth 4.0.

An iOS device with iOS version 5 or above and hardware support for Bluetooth 4.0. All devices Apple released since the iPhone 4S (including the 4S) do, the older ones don't.

Note:

Please refer to the instruction manual of your smart phone for how to activate the Bluetooth function.

Set Up Process

1. Download an app which supports Bluetooth 4.0 from the iTunes App Store or Google Play.
2. Enable Bluetooth on your mobile device.
3. Open the app and activate the scan function.
4. Turn on the GSH-BTS301.
5. The app should automatically detect your GSH-BTS301. Tap the GSH-BTS301 that is showed in the device list.
6. Your GSH-BTS301 is now successfully connected to your mobile device. Every temperature reading will be transfer to your mobile device automatically.

Error Codes

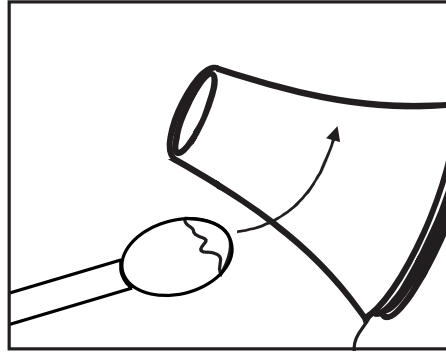
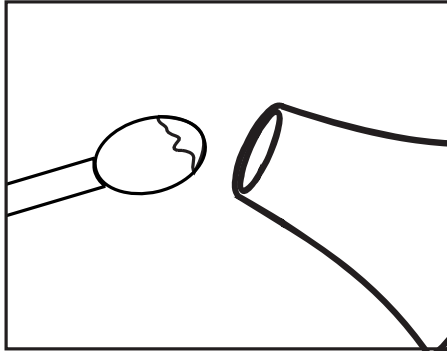
When a malfunction or incorrect temperature measurement occurs, an error message will appear as described below.

LCD Display	Cause	Solution
	The temperature measured is higher than 109.4 °F	Operate the thermometer only between the specified temperature ranges. If necessary, clean the sensor tip. In the event of a repeated error message, contact your retailer or Customer Services.
	The temperature measured is lower than 93.2 °F	
	The operating temperature is not in the range 59~104 °F	Operate the thermometer only between the specified temperature ranges.
	The batteries are empty.	Replace the batteries.

Storage and Maintenance

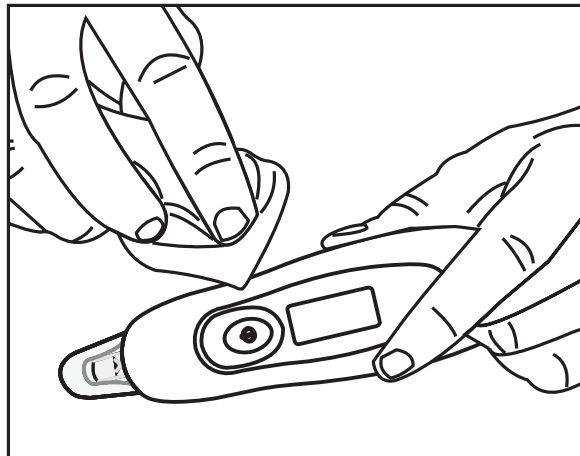
- **Probe and Tip:**

Clean the probe and tip with an alcohol swab before and after each measurement.



- **Thermometer:**

Use a soft, dry cloth to clean thermometer body. Never use abrasive cleaning agents, thinners or benzene for cleaning. Do not scratch the surface of the probe lens or the display. Do not expose the thermometer to extreme temperatures, humidity, direct sunlight, or shock.



Applied Standards

This product conforms to the provisions of the EC directive MDD(93/ 42/ EEC). The following standards apply to design and/or manufacture of the products:

- **ASTM 1965-98**
- **IEC/EN 60601-1**
Medical electrical equipment- Part 1: General requirement for safety
- **IEC/EN 60601-1-2**
Medical electrical equipment- Part 2: Collateral standard: Electromagnetic compatibility - Requirements and tests

Technical Specifications

- **Range of Measurement :**
93.2 °F – 109.4 °F
- **Measuring accuracy :**
96.8 °F – 102.2 °F : ± 0.4 °F
Out of range: ± 0.5 °F
- **Operating environment :**
59 °F – 104 °F
with relative humidity up to 95% (noncondensing)
- **Storage/ Transportation environment :**
-4 °F ~+122 °F
with relative humidity up to 95% (noncondensing)
- **Display resolution :**
0.1 °F
- **Power supply :**
2 X 1.5V AAA size alkaline batteries
- **Weight :**
70g (exclude batteries)
- **Dimensions :**
158.5mmX44.5mmX54.3mm (L×W×H)
- **Bluetooth :**
Bluetooth Low Energy v4.0



FCC Statement

Note:

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.
- * Connect the equipment 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.
- * FCC Caution: To assure continued compliance, (example – use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC 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 device complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF exposure warning

- * The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.
- * The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

Explanation of Symbols

	Follow instructions for use
	Disposal information: Should you wish to dispose of the article, do so in accordance with current regulations. Details are available from your local authority
	Type of protection of applied part against electric shock, body floating
	SN YYMWWWXXXXXX SN: Product Serial Number YY: year, M:month, WWW: working sheet, XXXXX: serial no.

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