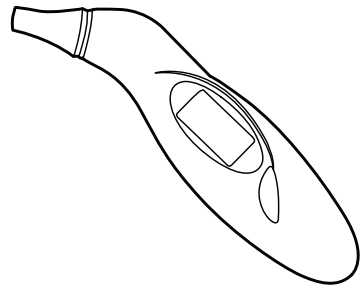




DELUXE INSTANT-READ EAR THERMOMETER WITH TEMP ALERT MODEL 2215



INSTRUCTION MANUAL

Please read carefully before using.
Save these instructions for future use.

2215-INS-LAB-RevF24

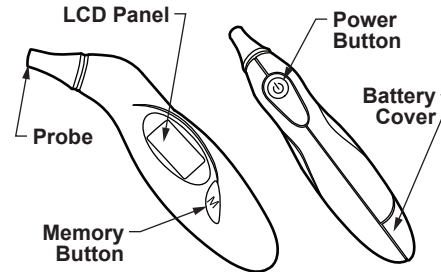
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Important Safety Precautions

- ⚠ **WARNING:** Read and understand these instructions before using the 2215 Ear Thermometer.
- ⚠ **WARNING:** 2215 temperature readings are intended for reference only. Consult your physician to verify your body temperature.
- ⚠ **WARNING:** If components are damaged or missing, contact your GF authorized distributor immediately. **DO NOT** use substitute parts.
- ⚠ **WARNING:** GF Health Products, Inc. assumes no responsibility for any damage or injury caused by improper assembly or use of this product.
- ▲ **NOTICE:** **DO NOT** scrape or scratch the lens as it will interfere with the effectiveness of the device.

Parts Identification



Product Overview

The tympanic membrane (eardrum), and the hypothalamus (the part of the brain which controls body temperature) share a common blood supply, so tympanic readings rise and fall rapidly with core temperature (deep-body temperature). This makes ear temperature one of the best indicators of internal body (core) temperature.

What are normal temperature values?

Human body temperature varies from person to person, and body temperature fluctuates throughout the day. Because of this natural variation, you should become familiar with your normal body temperature range by measuring it yourself when healthy, in order to establish reference temperatures which will make you feel more confident of the measured temperature when it is abnormal.

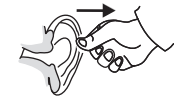
Information You Should Know Before Operating the 2215 Ear Thermometer

Using the Ear Thermometer correctly

1. Try the 2215 Ear Thermometer on yourself first to become familiar with its operation.
2. Taking the temperature immediately after waking up may cause the reading to be higher than normal as a result of sleeping on the ear.
3. It is common for the right and left ear readings to be slightly different; use the same ear consistently to obtain temperature readings.
4. Straighten the ear canal before and during measurements:

For Children under 12 months:

Straighten the ear canal by pulling the ear back as shown below.



For Children over 12 months and Adults:

Straighten the ear canal by pulling the ear back and up as shown below.



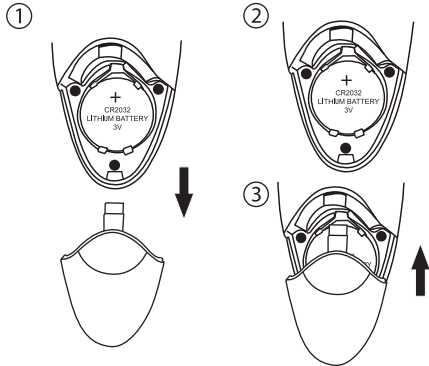
5. This ear thermometer automatically converts measured ear temperature reading to oral temperature.

Preparation for Use

Installing/Replacing the Battery

1. Pull the battery cover off in the direction shown the diagram below.
2. Install one new “CR2032” battery into the battery compartment, with + facing outward.
3. Replace and fasten the battery cover securely.

⚠ **Battery Warning: Do not dispose of battery in the trash or in a fire. Recycle battery or manage as hazardous waste. Do not recharge battery, put it in backward, or disassemble it. This may cause explosion, leakage or injury.**



How to Operate the Thermometer

1. Press and release the Power Button to turn on the unit. The LCD will show the last memory as in Figure 1, then you will hear a beep. After approximately two seconds, the LCD will show that the unit is ready for measurement, as in Figure 2.
2. See instructions on page 3 to straighten the ear canal. Insert the probe gently into the ear canal, then press and release the Power Button to start measurement. You will hear a beep.
3. While it is measuring, the LCD will show as in Figure 3.
4. You will hear a “beep-beep” when the measurement is completed. **Do not remove the thermometer until you hear both beeps.**
5. The LCD will illuminate and show the measured temperature reading, as in Figure 1. Refer to Table 1 for temperature range and back light color.

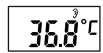


Figure 1

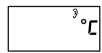


Figure 2

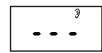


Figure 3

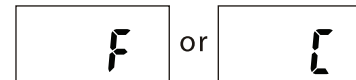
Table 1

Measured Temperature (°F)	Measured Temperature (°C)	Back Light Color
$T \leq 97.7$	$T \leq 36.5$	Green
$97.8 \leq T \leq 98.8$	$36.6 \leq T \leq 37.1$	Light Green
$98.9 \leq T \leq 99.4$	$37.2 \leq T \leq 37.4$	Orange
$99.5 \leq T \leq 100.3$	$37.5 \leq T \leq 37.9$	Light Red
$100.4 \leq T \leq 109.9$	$38.0 \leq T \leq 43.3$	Red

How to Operate the Thermometer

Fahrenheit / Celsius Switchable Models:

Fahrenheit or Celsius mode can be switched when the unit is ready for a measurement. To switch between °C and °F, press the M button then immediately press the Power button. The LCD will show “F” or “C”, then it will go to the Memory mode display (see Memory mode on page 8 for description).



To Ensure Proper Operation:

1. Allow a 5-second interval between each measurement.
2. Ensure the ear canal is straight during measurement as described on page 4.
3. Ensure the probe lens is clean before each measurement. A dirty probe lens may cause inaccurate measurements.
4. The thermometer must be at room temperature of approximately 61°F~104°F (16°C~40°C) for at least 30 minutes before use.

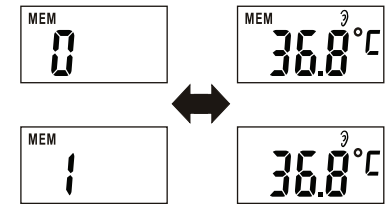
▲ **NOTICE: Performance of the device may be degraded if the device is operated or stored outside the stated temperature and humidity range or if the patient's temperature is below ambient (room) temperature.**

Memory Mode

Recalling Memory:



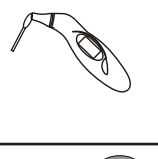

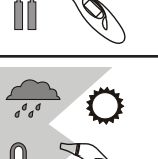
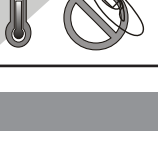
This unit has 10-memory capability.

1. Press the Power button to turn on power.
2. Press the M button to recall memory.
3. Press the M button repeatedly to cycle through the last 10 temperature readings.









4. To take a new measurement, press the power button (the unit will automatically power off after one minute of non-use).

Cleaning and Care

	Caution: Do not drop the unit. It is not shock proof.
	Caution: Do not modify or disassemble the unit.
	Use a cotton swab with alcohol to gently clean the surface of the lens. Wait at least 40 minutes for the unit to dry before use.
	NOTICE: Avoid thinner, benzene, or other harsh cleaners.
	NOTICE: Remove the battery if the unit will not be used for a long period of time.
	NOTICE: Avoid high temperature, direct sunlight, high moisture, and dust NOTICE: The unit is not waterproof.

Error Messages

Message	Correction
	The temperature measured was higher than the specified measuring range. Measure again.
	The temperature measured was lower than the specified measuring range. Measure again.
	The ambient (room) temperature was outside the operating range. Store it at room temperature of approximately 61°F~104°F (16°C~40°C) for 30 minutes before using.
	Failed self-diagnostic test. Reinstall battery and try again.
	Replace one CR2032 battery.
	Replace one CR2032 battery.

Specifications

Power Source	one CR2032 (3.0V x 1) battery (included)
Measuring Range	Ear Mode: 32°F~212°F (0°C~100°C)
Resolution	+0.1°F (°C)
Accuracy	0.4°F (0.2°C)
Memory	10 memories
Low Battery	Replace the battery if the low battery indicator appears
Auto Shut-Off	Shuts off automatically after one minute of non-use
Battery Life	Approximately 1000 measurements
Operating Environment	50°F~104°F (10°C~40°C), < 95% RH
Storage Environment	-13°F~131°F (-25°C~55°C), < 95% RH
Dimensions	4.5" x 1.5" x 1.2" (114 mm x 38 mm x 30 mm)
Weight	Approximately .03 lb (64g) including battery
Guarantee of Quality	Certification: ISO 13485 Conformity: EN 12470-5 & ASTM 1965-98

This infrared thermometer meets requirements established in ASTM standard (E 1965-98).

Limited Warranty

SCOPE OF WARRANTY

GF Health Products, Inc. ("GF") warrants to the Original Purchaser only that it will replace or repair components, at GF's sole discretion, that are defective in material or workmanship under normal use and service. All warranties are conditioned upon the proper use of the products strictly in accordance with good commercial practice and applicable GF instructions and manuals, including proper use and maintenance. To the extent that a third party warrants a component, GF conveys all of its rights under that warranty to the Original Purchaser, to the extent permitted. Original Purchaser is one who purchases this product new and unused from GF or a Certified GF Dealer/Distributor. This limited warranty shall only apply to defects that are reported in accordance with the provisions set forth in this warranty document, within the applicable warranty period and which, upon examination by GF or its authorized representative, prove to be a warranty item. (See Obtaining Warranty Service below) This limited warranty is not transferable.

The warranted components and time period are set forth below:

Model 2215 Instant-Read Ear Thermometer with Temp Alert 1 (one) year
The applicable warranty period shall commence from date of shipment to the Original Purchaser, unless there is an expiration date on the component in which case the warranty shall expire on the earlier of warranty period or the expiration date.

OBTAINING WARRANTY SERVICE

Contact the Dealer/Distributor from whom the product was purchased. If there is not a Dealer/Distributor, you must contact GF directly by calling (770) 368-4700, sending a fax request to 770-368-2386 or by e-mailing a request to cs@grahamfield.com. The Customer Service Representative will provide specific directions. Failure to abide by the specific directions will result in denial of the warranty claim.

The warranty does not cover and GF shall not be liable for the following:

- 1) Defects, damage, or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident, freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- 2) Products which are not installed, used, or properly cleaned and maintained as required in the official manual for the applicable product;
- 3) Products considered to be of a non-durable nature including, but not limited to: filters, fuses, gaskets, lubricants, and charts;
- 4) Accessories or parts not provided by GF;
- 5) Matching of color, grain or texture except to commercially acceptable standards;
- 6) Changes in color caused by natural or artificial light;
- 7) Charges by anyone for adjustments, repairs, replacement parts, installation or other work performed upon or in connection with such products which are not expressly authorized in writing, in advance, by GF;
- 8) Any labor or shipping charges incurred in the replacement part installation or repair;
- 9) Costs and expenses of regular maintenance and cleaning; and
- 10) Representations and warranties made by any person or entity other than GF.

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For additional information on this product or this warranty, please contact a GF Customer Service Representative.

NOTES:

- 1) Additional terms and conditions may apply. See GF's General Terms and Conditions on its website: www.grahamfield.com.
- 2) Freight claims must be notated on the appropriate shipping documents and must be made with immediacy. International, federal and state regulations govern specific requirements for freight claims. Failure to abide by those regulations may result in a denial of the freight claim. GF will assist you in filing the freight claim.
- 3) Claims for any short shipment must be made within three (3) days of the invoice date.

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