




QUICK START GUIDE

for Grow With Me Ear Thermometer 03110/03200

- 


1 Turn Unit "ON".
Display Indicates Ready to Measure.
- 


2 Gently Pull Outer Ear.
Straighten Ear Canal



Less than 1 Year

1 Year and older

Fully Insert Thermometer
Probe Gently into Ear
- 

3 Push Start Button → "BEEP" → 98.8 F
- 

4 Turn Unit "OFF".

Please Note: Unit Reads "Oral" Equivalent Temperature. Take 3 or More Measurements. Especially if Readings Appear Low.

NOTE: Pediatricians recommend ear thermometer use for children 12 months old and above. It may be difficult to get accurate temperature readings for infants from newborn 12 months due to the early development and curvature of the ear canal.

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PRODUCT FEATURES

Measurement in 1 second

This innovative technology allows measurement of ear temperature in only 1 second. The thermometer then converts this reading to the familiar oral reading equivalent.

Fever Indicator

- Automatically glows red when a fever temperature is detected. Glows green for normal temperature.

Adult Adaptor Tip

Snaps onto probe tip for older children and adults to use. Stores in base when not in use.

Accurate and reliable

The unique probe design and the advanced sensor provide a very accurate and reliable temperature measurement.

Gentle and Easy to Use

- Special ergonomic design enables simple and easy use of the thermometer.
- Non-invasive technology.
- A measurement can be taken even while a child is sleeping.
- Small probe tip is ideal for children.

Memory Recall

The product displays the last temperature reading automatically for 2 seconds when the unit is switched on.

This feature helps to keep track of your child's progress.

Safe and Hygienic

- No risk of broken glass or mercury ingestion.
- Completely safe for use on children.

IMPORTANT SAFETY INSTRUCTIONS

- Never use the thermometer for purposes other than body temperature measurement. Please follow the safety precautions when using on children.
- Never immerse the ear thermometer in water or other liquids (not waterproof). For cleaning and disinfecting please follow the instructions in the "Cleaning and Storage" section.
- Keep the instrument away from direct exposure to the sun and keep it in a dust-free, dry area at a temperature between 50°F - 104°F. (10°C- 40°C).
- Do not use the thermometer if there are signs of damage on the probe tip or on the instrument itself. If damaged, do not attempt to repair the thermometer! Please contact Summer Infant's Consumer Relations Department.
- Earwax in the ear canal may cause a lower temperature reading. Make sure child's ear canal is clean to ensure an accurate reading.
- The ear thermometer consists of high quality precision parts. Do not drop the instrument. Protect it from severe impact and shock.



WARNING:

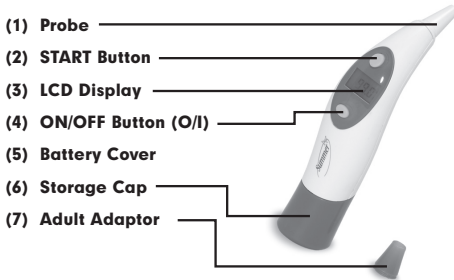
- Please keep the adult adapter out of the reach of children. It may pose a choking hazard.
- Use of this thermometer is not intended as a substitute for consultation with your physician.
- This thermometer is not waterproof! NEVER immerse into liquids!



CAUTION:

THIS PRODUCT IS NOT A TOY. ADULT SUPERVISION IS REQUIRED. STORE AWAY FROM CHILD'S REACH.

COMPONENTS



HOW THE EAR THERMOMETER TAKES A READING

The Grow With Me Ear Thermometer measures the heat radiated from the eardrum and the surrounding tissue. This energy is collected through the lens and converted to a temperature value equivalent to the commonly used oral reading. The measured reading obtained directly from the eardrum (Tympanic Membrane) can ensure the most accurate body temperature. The accuracy of a reading will depend on your technique, so please follow instructions for use carefully. We recommend that you practice using the ear thermometer on yourself and your family members when they are healthy. You will then be more confident using the ear thermometer when a family member is ill.

The Grow With Me Ear Thermometer meets the ASTM Accuracy Standard under normal operating conditions.

The Grow With Me Ear Thermometer has been clinically tested and proven to be safe and accurate when used in accordance with operating instructions.

WHAT IS A NORMAL TEMPERATURE?

Normal body temperature varies from person to person.

It is important to be familiar with your and your child's healthy temperature range to help you identify what is normal. You can do this with your Grow With Me Ear Thermometer. Please note that ear, oral, rectal and underarm temperature readings also vary, therefore readings taken from different body sites should not be directly compared.

Normal Temperature Range by Age:

Age	Fahrenheit	Celsius
0-2	97.5°F - 100.4°F	36.4°C - 38.0°C
3-10	97.0°F - 100.0°F	36.1°C - 37.8°C
11-65	96.6°F - 99.7°F	35.9°C - 37.6°C
> 65	96.4°F - 99.5°F	35.8°C - 37.5°C

DIRECTIONS FOR USE

Note:

- The thermometer probe should be kept clean by using alcohol swab to wipe it 2 minutes prior to the test, and after each use.
Dirt, dust, or ear wax on the sensor will give inaccurate measurements!
- Do not touch the thermometer probe 2 minutes before measuring the ear.
- The time interval of the continuous measurement for the same ear should be at least 15 seconds.
- The thermometer probe should be fitted into the ear canal deep enough with gentle insertion, making sure you don't move the thermometer, then press the start key to get the measurement, do not remove the probe until hearing a beep sound.

DIRECTIONS FOR USE (CONTINUED)

- Whenever putting on (or removing) the adult adaptor, you need to wait for 2 more minutes to cool down the probe so as to get a reliable reading for next measurement. The adult adaptor should be assembled to the probe by hearing (or feeling) a small click sound, so that we can ensure a reliable measurement.
 - The adult adaptor is not necessary to put on unless it is for measuring the temperature of an adult.
 - There may be some inconsistent readings between different continuous measurements, due to the following reasons:
 - Different probe insertion depth (or angle).
 - Too frequent measurement for the same ear within a short period of time (more than 5 times, with time interval less than 5 sec.).
 - Extreme ambient temperature change, dirty probe with ear wax or dust, dirty ear canal.
 - Long stay of the probe inside the ear canal (should not be more than 5 sec.), probe shaking during measuring or probe removing away from ear before hearing the beep.
1. Press the O/I button once to turn the ear thermometer on. The display will show all icons momentarily while the ear thermometer runs a test.

2. Then the last measurement reading will appear on the display for about 2 seconds. You will see a small "M" next to the temperature reading. This memory feature helps you track your child's progress.

3. The ear thermometer will beep and the °F or °C icon will flash, indicating that the thermometer is ready to take a reading.

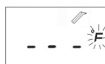
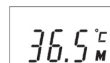
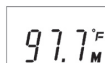
4. Straighten the ear canal by pulling the outer ear up and back to give a clear view of the eardrum.

- For children under 1 year: Pull the ear straight back.
- Children ages 1 year to adult: Pull the ear up and back.

- For an infant, it is best to have the child laying flat with head sideways so the ear is facing towards you. For an older child or adult, it is best to stand behind and slightly to the side.



5. While gently pulling the ear, insert the probe snugly into the ear canal and press the "START" button until you hear a beep sound. You should hear this beep after about 1 second; It indicates the reading is complete.



Less than
1 year old



1 year and older,
including adults



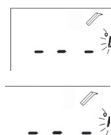
6. Remove the thermometer from the ear canal. Read the temperature measurement on the display.

NOTE:

- Always take measurements in the same ear since temperature readings may be different from the right and left ear.
- In order to assure accurate readings, please wait at least 15 seconds between continuous measurements.
- In the following situations it is recommended that three temperatures in the same ear be taken and the highest one taken as the reading:
 - 1) Newborn infants in the first 100 days.
 - 2) Children under three years of age with a compromised immune system and for whom the presence or absence of fever is critical.
 - 3) When you are learning how to use the ear thermometer for the first time and until you have familiarized yourself with the instrument and how to obtain consistent readings.
- The LCD display automatically glows red when a fever temperature is detected. Glows green for normal temperature.

CHANGING FROM FAHRENHEIT TO CELSIUS AND VICE-VERSA

The ear thermometer can display temperature measurements in either Fahrenheit or Celsius. To switch the display between °C and °F, turn the unit off. Press and hold the START BUTTON for 5 seconds, until the current measurement scale (°C or °F icon) flashes on the display. Switch the measurement scale between °C and °F by pressing the START BUTTON again. When the measurement scale has been chosen, wait for 5 seconds and the thermometer will be ready for taking a temperature.






Control Displays and Symbols

LCD Display	Display Meaning	What to Do
	Thermometer is running a built-in test.	Wait for memory display.
	Memory shows previous temperature reading.	Wait for ready display.
	Thermometer is ready to take a reading.	Insert ear thermometer into ear and press "START" button.
	Measurement complete.	Read temperature.
	Low battery.	See instructions on page 7 for "Replacing the Battery".

Error Messages

LCD Display	Display Meaning	Description	Possible Cause and Fault Remedy
	Measured temperature too high	Displays "H" when measured temperature higher than 42.2°C or 108.0°F. Emits three short beeps and red LED is on for 5 seconds.	Probe may not have been inserted properly. Take another measurement.
	Measured temperature too low	Displays "L" when measured temperature lower than 32.0°C or 89.6°F. Emits three short beeps and red LED is on for 5 seconds.	Probe may not have been inserted properly. Take another measurement.
	Ambient temperature too high	Displays "H" in conjunction with the "▲" when ambient temperature is higher than 40.0°C or 104.0°F. Emits three short beeps and red LED is on for 5 seconds.	Ambient temperature is higher than 40.0°C or 104.0°F.
	Ambient temperature too low	Displays "L" in conjunction with the "▼" when ambient temperature is lower than 5.0°C or 41.0°F. Emits three short beeps and red LED is on for 5 seconds.	Ambient temperature is lower than 10.0°C or 50.0°F.

Error Messages (continued)

	Error function display	When system has malfunction. Emits three short beeps and red LED is on for 5 seconds.	Thermometer has malfunctioned. Turn it off and take another measurement.
	Blank display		Please check if the battery has been loaded correctly. Also check polarity (+ and -) of batteries.
	Dead battery indication		If the steady battery icon is the only symbol shown on the display, the battery should be replaced immediately.

CLEANING AND STORAGE

Use an alcohol swab or cotton swab moistened with alcohol (70%

Isopropyl) to clean the thermometer casing and the measuring probe. Ensure that no liquid enters the interior of the thermometer. Never use abrasive cleaning agents, thinners or benzene for cleaning and **never immerse the instrument in water or other cleaning liquids**. Take care not to scratch the surface of the LCD display.

NOTE: The sensor should be cleaned before taking measurements.

Remove the battery from the instrument if it is not required for extended periods of time in order to avoid damage to the thermometer resulting from a leaking battery.



REPLACING THE BATTERY

The Grow With Me Thermometer is supplied with one lithium battery, type CR2032. Replace with a new CR2032 battery when the flashing battery symbol appears on the LCD display. Use a toothpick or insulated probe to remove the battery. Do not use any kind of sharp metal object to remove the battery.



BATTERY WARNING:

Keep battery out of child's reach. Swallowing battery could be fatal. Battery should not be charged or placed in extreme heat as it may rupture. Used batteries should be disposed of properly.

Technical Specifications

Type:	Digital Infrared Thermometer
Measuring Range:	32.0 °C to 42.2 °C (89.6 °F to 108.0 °F)
Accuracy:	Laboratory: : ±0.2 °C, 35.5 ~ 42.2 °C (±0.4 °F, 95.9 ~ 108.0 °F) ±0.3 °C, 32.0 ~ 35.5 °C (±0.5 °F, 89.6 ~ 95.9 °F)
Display:	Liquid Crystal Display with indicating unit 0.1 °C (0.1 °F)

Type:	Digital Infrared Thermometer
Acoustic:	a. The unit is turned ON and ready for the measurement: 1 short "beep" sound. b. Complete the measurement: 1 long beep sound (1 sec) if the reading is less than 99.5 °F (37.5 °C). 10 short "beep" sounds if the reading is equal to or greater than 99.5 °F (37.5 °C). c. System error or malfunction: 3 short "beep" sounds.
Memory:	Auto-Displays the last measured temperature when switched on.
Backlight:	a. The LCD display will be lighted GREEN for 4 seconds when the unit is turned ON. b. The LCD display will be lighted GREEN again for 5 seconds when a measurement is completed with a reading less than 99.5°F (37.5°C). c. The LCD display will be lighted RED for 5 seconds when a measurement is completed with a reading equal to or higher than 99.5°F (37.5°C).
Operating temperature:	5°C to 40 °C (41 °F to 104 °F)
Storage/transport temperature:	-25 °C to +55 °C (-13 °F to 131 °F)
Automatic Switch-off:	Approx. 1 minute after last measurement has been taken.
Battery:	CR2032 BATTERY (X1) - at least 1000 measurements.
Dimensions:	162.6mm (L) x 40.1mm (W) x 58.1mm (H)
Weight:	TBD
Standards:	Complies with requirements specified in European Standard EN12470-5: Clinical thermometers Part 5: Performance of infrared ear thermometers (with maximum device) and ASTM E-1965.

Please observe the applicable disposal regulations.

If you experience a problem that is not noted in this manual, please do not return the product to the store. Our Customer Relations Department may have a simple solution to your problem. Please contact us at 1-800-268-6237 or e-mail us at customerservice@summerinfant.com.

We at Summer Infant stand behind all of our products. If you are not completely satisfied or have any questions, please contact our customer service department at 1-800-268-6237 or email us at customerservice@summerinfant.com



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