



Genius™ 2

Tympanic Thermometer

Tips and Techniques

QUESTIONABLE TEMPS?

1. Low or high readings:

- A. Inspect the probe lens for smudges or debris, and if needed clean with a dry lint free swab. Please see instruction manual for full cleaning instructions.
- B. Ensure the probe cover is flush with the blue end cap.
- C. Align the probe tip with the ear canal. Advance the probe tip into the ear until the probe tip lightly seals the ear canal. Immediately press the scan button.
- D. Ensure the thermometer has not been left out or used in an extreme ambient temperature below 16° C or above 33°C (60.8° F - 91.4° F).
- E. Verify mode setting on LCD display Ear, Oral, Core, Rectal, or Axillary are available. See chart for normal body temperature ranges by site equivalence and age.
- F. Normal body temperature is a range, and it will vary by measurement site and patient age. Readings from different sites, even when taken at the same time, should not be directly compared. See chart below for normal ranges.



Temperature Site	NORMAL BODY TEMPERATURES BY PATIENTS AGE (F°)			
	0-2 Years	3-10 Years	11-65 Years	>65 Years
Ear	97.5° - 100.4°F 36.4° - 38°C	97.0° - 100.0°F 36.1° - 37.8°C	96.6° - 99.7°F 35.9° - 37.6°C	96.4° - 99.5°F 35.8° - 37.5°C
Oral	-	95.9° - 99.5°F 35.5° - 37.5°C	97.6° - 99.6°F 36.7° - 37.6°C	96.4° - 98.5°F 35.7° - 36.9°C
Core	97.5° - 100.0°F 36.4° - 37.8°C	97.5° - 100.0°F 36.4° - 37.8°C	98.2° - 100.2°F 36.8° - 37.9°C	96.6° - 98.8°F 35.9° - 37.1°C
Rectal	97.9° - 100.4°F 36.6° - 38°C	97.9° - 100.4°F 36.6° - 38°C	98.6° - 100.6°F 37° - 38.1°C	97.1° - 99.2°F 36.2° - 37.3°C
Axillary	94.5° - 99.1°F 34.7° - 37.3°C	96.6° - 98.0°F 35.9° - 36.7°C	95.3° - 98.4°F 35.2° - 36.9°C	96.0° - 97.4°F 35.6° - 36.3°C

2. If a patient is lying on their side, ALWAYS take the temperature in the exposed (upper) ear.
3. Incubators and radiant warmer can impact the temperature of the tympanic membrane. For an accurate temperature, choose the ear nearest the sheet or the "down" ear for this patient population.
4. Always wait at least two minutes before taking a temperature in the same ear.
5. A new probe cover must be used for each reading to ensure the highest degree of accuracy and to prevent cross contamination.
6. When loading probe covers into base unit, do not touch plastic film on the distal tip of the probe cover.
7. If the patient has recently been exposed to extreme ambient temperature (<10min), wait 10 minutes before taking a tympanic temperature.





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QUESTIONABLE TEMPS (CONTINUED)



8. If patient is wearing a hearing aid, remove the device from the ear and wait 10 minutes before taking a reading.
9. The Genius 2 Tympanic Thermometer is not recommended for any patient with moisture (e.g. blood, spinal fluid, tears, saliva, or mist from a mist tent) in the ear.
10. Pressure equalization (PE) or tympanostomy tubes will not compromise accuracy. However, to assure patient comfort, one week should be allowed post-operatively before using the Genius 2 Tympanic Thermometer.
11. Normal ear wax build up will not affect the accuracy of readings unless it is compacted with hair and debris. Use your best clinical judgment to determine the proper ear and temperature measurement site.
12. To ensure accuracy, the Genius 2 Tympanic Thermometer should be checked for calibration every 12 months using the Kendall Genius 2 checker/calibration.
13. Storage Temperature range: -25°C to 55°C up to 95% humidity.

BLANK DISPLAY WINDOW?

1. Thermometer may be in “sleep” mode. Press and release the scan button to recall last temp.
2. If the screen is still blank, replace the 3 AAA batteries.



SCAN BUTTON WON'T WORK?

1. Ensure that probe cover is properly loaded.
2. Thermometer may have entered the power-saving “sleep” mode. Eject probe cover and reload a new cover.



CUSTOMER SERVICE

1. For any non-technical assistance with pricing, credit, contracts (lease or exchange), trade-ins, sales support or literature requests or to order probe covers and new equipment, call 1-800-962-9888.

FACTORY SERVICE

1. Call 1-800-448-0190 (Watertown, NY) for any technical assistance with repairs, calibration checks, service inquiries, or biomedical engineering support.
2. For equipment in need of service, be prepared to describe the problem and provide the unit's serial number, name and address of your facility, phone number, and the name of a contact person.