

Infra-red ear thermometer

(Using for ear canal measuring)

Model:T201
Ver 1.0

User's Instruction

Please read the instruction carefully before using.

The ear thermometer is a device capable of achieving infra-red temperature measurement when placed in the auditory canal of a subject. It is a safe means of measuring human body temperature through the ear.

Specification:

The standard we adopted is EN12470-5:2003 Clinical thermometers -- Part 5: Performance of infra-red ear thermometers (with maximum device).

This device complies with the requirements of IEC 60601-1, IEC 60601-1-11 and IEC 60601-1-2.

Range of displayed temperature : 34.0°C~44.0°C(93.2°F~111.2°F)

Display L°C(L°F) when the temperature is under 34.0°C(93.2°F)

Display H°C(H°F) when the temperature is over 44.0°C(111.2°F)

Operating ambient:

Temperature: 16°C~35°C (60.8°F~95.0°F)

Humidity: ≤85%RH

Storage and transport condition:

Temperature: -25°C to 55°C(-13°F to 131°F)

Humidity: ≤85%RH

Display resolution temperature range: 0.1°C(0.1°F)

Accuracy: ±0.2°C (from 35.5°C to 42.0°C)
±0.4°F (from 95.9°F to 107.6°F)

Display: liquid crystal display, 3½ digits

temperature value: display the maximum temperature

in measuring process

temperature unit: centigrade or fahrenheit

display of memory: last ten memories

low voltage warning: the LCD display  and then a beep sound is heard

Power consumption: ≤30 mW

Battery: two 1.5V alkaline batteries (AAA)

Battery life: 4000 times

Dimension: 5.75" x 1.26" x 1.46"

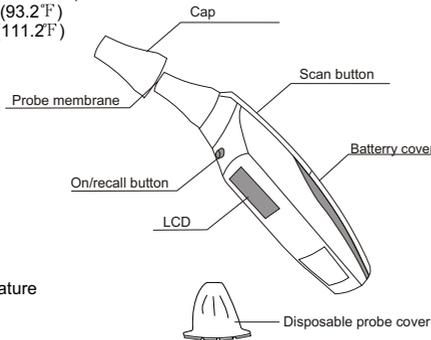
Net weight: Approx. 0.154lbs

Beeper sign: on/off, measuring finish and low voltage warning, etc.

Self-testing sequence: Press the 'on/recall' button to turn on the thermometer and all of symbol (See Fig A) should be displayed on the LCD in one second.

Calibration frequency: If used privately no calibration is needed. For professional use it is recommend to check once a year.

Manufacturing and Calibration date: See the label in the batteries box (open the batteries cover use a screwdriver).

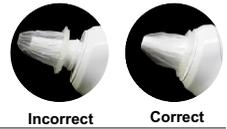


Cautions

1. Before measuring, the thermometer shall be stabilized at least 30min under operating condition.
2. New Disposable probe cover required for each measurement, otherwise inaccurate readings will occur.
3. Please keep your ear canal clear, if not, the measuring result shall be inaccurate.
4. The symbol ' ? ' on the LCD shows you can measure in the ear;
5. Please don't scratch the probe membrane, if not the thermometer shall lose the efficacy;
6. If the LCD no changes under pressing any button, please take the batteries out and put in again;
7. Please don't use the thermometer if your ear canal has been inflammation.

Note:

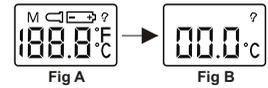
- In order to avoid spreading germs, please use a new disposable probe cover for each measurement.
 - Check to ensure probe cover is fitted on firmly before use (please see the diagrams right).
- If the probe cover is broken, discard and apply a new one immediately.



How to use (°C displays for example)

Measuring human body temperature in the Ear Canal

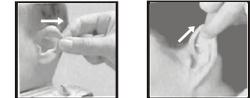
1. Press the 'on/recall' button to turn on the thermometer, a beep sound is heard and the LCD displays as Fig A in one second. When the LCD displays as Fig B, now ready to measure.



2. 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.

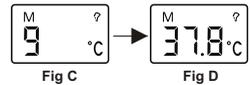
• For children ages 1 year to adult, Pull the ear up and back. (Caution: Many pediatricians suggest use of ear thermometers for children older than 6 months.)



3. While pulling the outer ear, insert the probe snugly into the ear canal (best to insert deep), press the 'scan' button, release it. When you hear a beep sound, the measurement is complete. Then remove the thermometer from the ear. The display show the measure temperature.

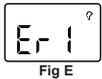
4. **Measuring again:** If measuring again, please unclinch the 'scan' button and wait for the ' ? ' symbol to display, then press 'scan' button to measure again. **Advice: The time between each reading should be not less than 1min.**

5. **Memory seach:** Press the 'on/recall' button, the last ten memories (NO.9-NO.0) will take turns to display on the LCD as Fig C and Fig D.



6. The LCD will displays 'Er 1' as Fig E and cannot displays temperature when the ambient temperature is out of the range of 10°Cto 35°C.

Note: Before measuring, the thermometer shall be stabilized at the operating ambient condition for a minimum of 30 min.



7. **Shut off:** The thermometer shall automatically shut off without manipulating in one minute.

Changing from Celsius to Fahrenheit (only for switchable type)

To switch the display between °C and °F, turn the unit on. Press and hold the on/recall button for 3seconds, the display will show as Fig. F, the unit will prepare for a measurement.



Product disposal

Please ensure environmental protection. Batteries do not belong in the domestic waste. Please hand them in at collection point or the municipal recycle material centre as special waste.

This symbol on products and/or accompanying documents means that consumed electronic products must not be mixed with conventional domestic waste. Take these products to the corresponding collection points for correct treatment and recycling, where they will be accepted free of charge. For more information on the closest collection point, Please enquire with your local authorities.



Cleaning and Storage

1. Store thermometer and the Disposable probe cover in a dry location free from dust and contamination and away from direct sunlight. The ambient temperature at the storage location should remain fairly constant and within the range of -25°C to 55°C.
2. 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.
3. Never use abrasive cleaning agents, thinners or gasoline for cleaning and never immerse the instrument in water or other cleaning liquids. Take care not to scratch the surface of the probe membrane or display.



Replacing the batteries

1. When voltage of the batteries are low, the LCD will display  symbol, please replace two new batteries in unit. The thermometer cannot work accurately under the condition of low voltage.
2. The thermometer is supplied with two 1.5V ALKALINE BATTERIES (AAA). Insert new batteries when the low voltage symbol appears on the LCD.
3. Screw off the bolt and remove the battery cover and take out the old batteries.
4. Place two new batteries according to the '+' and '-'.
5. The disposal of the probe cover, battery and device shall comply with the local environment requirements.
5. Please take out the batteries to avoid battery leaking if unit not used for over six months.

LIMITED WARRANTY OF CHOICEMMED AMERICA

To obtain full warranty coverage, please be sure to complete your product registration within 30 days from date of purchase. If you choose not to register your product, this Limited Warranty will be void.

ONLINE:

- Go to www.choicemmedamerica.com/register
- Fill out required information

MAIL:

- Complete the Warranty Registration Card
- Include a COPY of your sales receipt
- Send to:

ChoiceMMed America Co.

2558 Pearl Buck Road, Suite 8A, Bristol PA, 19007

Please read the warranty conditions carefully.

For detailed warranty information, please visit: www.choicemmedamerica.com/warranty

Warranty Registration Card

Model No. _____ LOT# _____

(LOT# - located at the bottom of the packaging)

Serial NO. (SN) _____

(SN - located on the back on the unit)

Purchase Date _____

Purchaser Name (M F) _____

Age: Under 18 18-34 35-49 Over 50

E-Mail: _____

Phone: _____

Address1: _____

Address 2: _____

City/State : _____ Zip: _____

Warranty Conditions

ChoiceMMed America Co. warrants to the original purchaser that this equipment will be free from defects in materials and workmanship for a period of two years from the date of purchase. This warranty shall be limited to the repair adjustment and/or replacement at the manufacturer's option of defective parts free of charge except the cost of transportation to ChoiceMMed America Co. Manufacturer's responsibility is limited to actual cost of item. When returning equipment for warranty service, the proof of purchase must be enclosed. Returns will only be shipped to locations within the USA. ChoiceMMed America Co. will not be responsible for expenses or inconveniences, or consequential damages occasioned by equipment or by breach of any expressed or implied warranty with respect thereto.

Limitations

This warranty covers all defects encountered in normal use of the equipment and does not apply in the following cases.

- 1) If the equipment has been serviced by other than a certified center.
- 2) Damage to the equipment due to mishandling, abuse, accident or failure to follow the operating instructions.
- 3) INSTRUMENTS: Warranty does not extend to display face, batteries and disposable cones.

Service Phone: (215)-874-0458

Customer Service Representatives are available
Monday through Friday - 9:30am to 4:30pm EST

www.choicemmedamerica.com

Symbol Definitions

| Symbol | Definition | Symbol | Definition |
|---|--|---|----------------------------------|
|  | Type BF applied part. |  | Low power indication |
|  | Attention, consult accompanying documents. |  | Shows you can measure in the ear |
|  | Storage temperature and relative humidity | SN | Serial No. |
|  | Cautions |  | Error Indicate |
|  | Date of Manufacture | | |
|  | Product disposal instructions for electronic devices | | |

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