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Introduction

Utilizing infrared technology, this thermometer takes temperatures in seconds by measuring heat generated by the ear canal or other objects . This product conforms to the provisions of the EC directive MDD(93/42/EEC).Its advantages include: 1. Wireless communication: Bluetooth (class 2)

- 2. Intended use: For home, clinic, and hospital use to
 - determine human body temperature.
- 3. Illuminated back-light display
- 4.10 user memory
- 5. $^{\circ}C/^{\circ}F$ switchable function
- 6. Probe cover free
- 7. Waterproof probe design
- 8. One-second reading
- 9. Auto power off for power saving
- 10. Low-battery indicator
- 11. Warning indication for battery condition and measuring range.

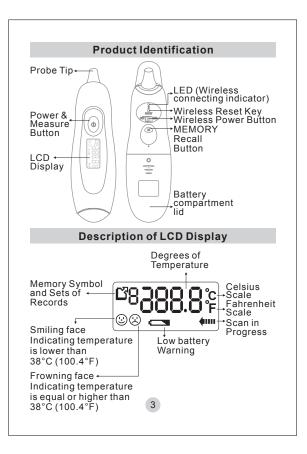
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12. Large LCD display

Important Information Before Use

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 take 3 temperatures. If
- The recommended that deer takes it emperatures. In they are different, use the average reading.
 Do not expose the thermometer to extreme temperature, very high humidity, or direct sunlight.
- 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. Carefully hold the device when in use to avoid dropping the device.
- 13. Allow one minute between successive measurements as slight variations may occur if measurements are taken over a short period of time. Use average temperatures instead.
- There are no absolute body temperature standards. Keep reliable records of your personal temperature to serve as a reference for judging a fever.
- 15. Under any circumstances, the temperature taking result is ONLY for reference. Before taking any medical action, please consult your physician.



Battery Installation

Low battery warning:

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.



Battery-operated

1. Please properly dispose of the batteries away from small children and heat.

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- It is recommended to remove the batteries if the unit will not be used for an extended period of time.
 Batteries must be disposed of in accordance with
- Batteries must be disposed of in accordance with local environmental and institutional policies.
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Changing Modes (°C/°F Switchable)

This thermometer can display result in either degrees Fahrenheit(°F) or degrees Celsius(°C). Changing °C/ °F, please make sure the device is in power on condition. Press the Power/Scan button, hold it, and then press the Memory button to toggle between °C and °F.

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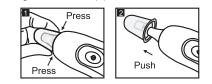
Tips for Measuring Human Temperature

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.

- Some people produce different readings in their left and right ear. In order to record temperature changes, always measure a person's temperature in the same ear.
- The ear thermometer may be used by children only under adult supervision. Measurement is usually possible over the age of 6 months. In infants under 6 months, the ear canal is still very narrow so the temperature of the eardrum often cannot be recorded and the result displayed is often too low.
- The measurement must not be taken in an ear affected by inflammatory diseases (e.g. discharging pus or secretion), after possible ear injuries (e.g. eardrum damage) or in the healing period after operative procedures. In all of these cases, please consult your doctor.
- Use of the thermometer on different persons can be inappropriate in the event of certain acute infectious diseases because of the possible spread of germs despite cleaning and disinfection. If you have any doubts, please consult your doctor.
- This thermometer may only be used without a disposable protective cover.
- If you have been lying on one ear for some time, the temperature is slightly raised. Wait a little while or measure in the other ear.
- As ear wax can affect the measurement, you should clean the ear before measuring if necessary.

Measuring Body Temperature in the Ear

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



- Press the Power button to switch the thermometer on. Following a successful self test, the device emits two short beeps.
- 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.
- 4. Insert the probe into the ear canal (the probe must insert well to ensure an accurate temperature measurement), then press the "Power & Measure" button for about 1 second, release the button and you will hear 1 short beep sound means complete the measurement.



Measuring Body Temperature in the Ear



 Under 1 year: Have child lay flat with the head sideways, so that the ear is facing upwards. Gently pull the ear straight back.

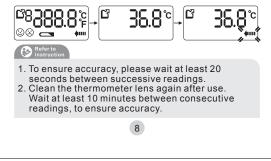


Under 1 year

 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.

5. You may take out the device to read the measurement result.

- 6. The backlight display will remain light for approximately 5 seconds each time the "Power & Measure" button is pressed, after each reading is completed, and each time the "Memory" button is pressed to recall a previous reading.
- 7. The thermometer will automatically shut off after one minute without use.

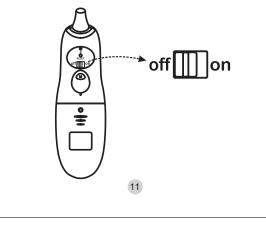


Measuring Body Temperature in the Ear The Readings: If the temperature measurement is below 38°C, a "Smiling Face 🕑" will be appear next to the reading. 36.8°C If the reading is 38°C or above, a "Frowning Face ⓒ " will be displayed. 9

Memory Function Memory Recall: You can recall up to 10 measurements of all currently stored measurements in memory to share with your physician or trained healthcare professional. While in power on mode, press once briefly on the "Memory" button, then pass it again to show the last measurement accompanied by " 20" symbol. ¹²0 35.8°C 2. Continue to press the "Memory" button to view the next previously stored measurement, so " [2] [". 36.8° [¹⁷] 633 ſĽŸY 38.5 3. Automatically on the 11th measurement: when the 10 memories have been used up, any new measurement will be recorded and the oldest memory deleted. 10

Operating The Bluetooth Function

- 1. Turn the ear thermometer to the back side.
- 2. Turn on the wireless power (From "off" to "on"), while the thermometer searches for other Bluetooth compatible devices, the LED (connection indicator) will flash. When the device connects successfully to health monitoring devices and Bluetooth-capable devices, such as a computer, PDA, or mobile phone, the LED will remain lit. At conclusion of temperature measurement, the reading will be sent to the health monitoring device and the reading will automatically stored in memory.
- To disconnect from health monitoring devices, turn off the wireless power (From "on" to "off"), and the LED will no longer be lit.



Operating The Bluetooth Function

What You Need:

The host computer or terminal system to run Serial Port Profile (SPP) - A personal computer with Operating system: Windows 95 or later

- A Smart Phone with Android system Others: PDA, etc.

Refer to instruction

Please refer to the instruction manual of your personal computer for how to install Serial Port Profile (SPP).

Bluetooth LED:

FAST BLINKING: indicate this UT-302 PBT is at linking state waiting to be linked by other Bluetooth terminal system like Smart Phone.

SLOW BLINKING: indicate UT-302PBT is waiting for connection from other master Bluetooth device. ACTIVE: indicate Bluetooth connection have been established successfully

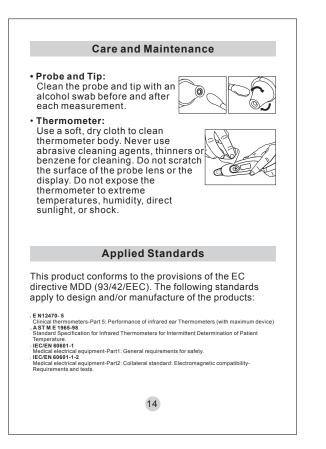
Operating The Bluetooth Function

Communications Interface:

Using Bluetooth communications terms, the UT-302PBT is a slave device. To connect the UT-302PBT to a master device you must initiate the connection by first pairing with the UT-302PBT. To complete the pairing process the "0000" number must be provided to the master as the Bluetooth Pass Key (Bluetooth PIN Code). Once the pairing is complete the UT-302PBT will automatically reconnect to the master device when possible. The four digit Bluetooth Pass Key must be entered only during the pairing to a new master

Refer to instruction

To connect to a new device (new master) the UT-302PBT must be out of range from the previous master or unpaired from that master.



Error Codes When a malfunction or incorrect temperature measurement occurs, an error message will appear as described below. LCD Display Cause Solution Operate the thermometer The temperature measured is only between the Lo lower than 34°C (93.2°F) specified temperature ranges. If necessary, clean the sensor tip. In the event of a repeated Нι The temperature measured is error message, contact your retailer or Customer Services. higher than 43°C (109.4°F) Operate the thermometer The operating temperature is En n only between the specified temperature not in the range from 16°C~35°C (60.8°F~95.0°F) ranges. **Technical Specifications** • Measuring range: 34°C~43°C (93.2°F~109.4°F) Measuring accuracy: 35.5°C~42°C (95.9°F~107.6°F): ±0.2°C(0.4°F) outside the range: ±0.3°C(0.5°F) · Operating environment: 16°C~35°C (60.8°F~95°F) 16°C with relative humidity up to 85% (non condensing) • Storage/ Transportation environment: -25'0 -25°C~+55°C (-13°F~+131°F) with relative humidity up to 85% (non condensing) Display resolution: 0.1°C or °F • Power supply: 2 x 1.5 V AAA alkaline batteries Weight: approx. 70g (without batteries) Dimensions: approx.6.2in x 1.7in x 2.1in (L x W x H) 15

FCC Statement

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:

- 1. Reorient or relocate the receiving antenna.
- 2. 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.
- 4. Consult the dealer or an experienced audio/TV technician for help.
- 5. 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

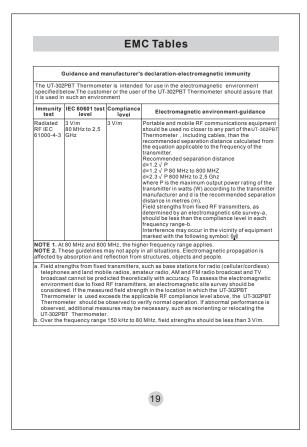
- 6. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- 7. This device complies 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.

EMC Tables

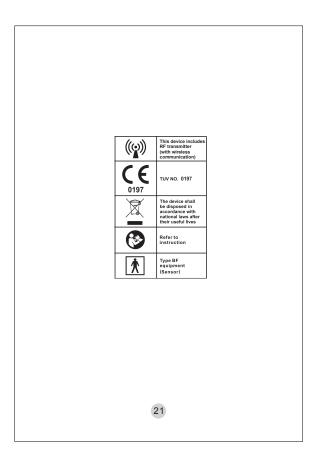
Guidance and manufacturer's declaration-electromagnetic emission The UT-302PBT Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the UT-302PBT Thermometer should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment guidance		
RF emissions	CISPR 11	Group 1 The UT-302PBT Thermometer uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.		
RF emissions CISPR 11	Class B			
emissions applicable IEC 61000-3-2		The UT-302PBT Thermometer is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power		
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable	supply network that supplies buildings used for domestic purposes.		

The UT-302PBT Thermometer is intended for use in the electromagnetic environment specifie below. The customer or the user of the UT-302PBT Thermometer should assure that it is used in such an environment.						
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance			
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.			
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be a levels characteristic of a typical location in a typical.			



EMC Tables Recommended separation distances between portable and mobile RF communications equipment and the UT-302PBT Thermometer The UT-302PBT Thermometer around real of the of source of the international end of the of source of the text of tex of text of text of text of tex of text of text of tex Rated maximum output power of transmitter W Separation distance according to frequency of transmitter m 150 kHz to 80 MHZ d=1.2 √ P 80 MHz to 800 MHZ d=1.2 √ P 800 MHz to 2.5 GHz d=1.2 √ P 0.01 0.12 0.12 0.23 0.1 0.38 0.38 0.73 1.2 1.2 2.3 7.3 1 10 3.8 3.8 100 12 12 23 20





A&D Company, Limited 1-243 Asahi, Kitamoto-shi, Saitama 364-8585 JAPAN Telephone: [81](48)593-1111 Fax: [81](48)593-1119

A&D INSTRUMENTS LTD.

Unit 24/26 Blacklands Way, Abingdon Business Park, Abingdon, Oxfordshire OX14 1DY United Kingdom Telephone: [44](1235)550420 Fax: [44](1235)550485

A&D ENGINEERING, INC.

 1756 Automation Parkway, San Jose, California 95131 USA

 Telephone: [1](408)263-5333

 Fax: [1](408)263-0119

A&D AUSTRALASIA PTY.LTD. 32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA Telephone: [61](8)352-3033 Fax: [61](8)352-7409

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