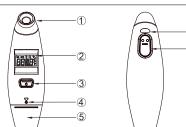
# 21x36cm



#### PRECAUTIONS FOR USE

- 1. Any potential difference will happen due to user's operating way and environments.
   2. Use of the device is not intended to be a substitute for consultation with your physician.
- 3. Before you use the unit, please read this user manual thoroughly and carefully.  $\ensuremath{\mathsf{4}}.$  Disregarding the information given in this instruction manual is considered to be abnormal use.
- 5. The device is for indoor use only. Please do not use the device under a noisy environment.
- 6. After showering, exercising, eating or drinking, wait for 30 minutes before you intend to measure your temperature.
- 7. Sweat will affect the reading result on the forehead, so please make sure your forehead is clean before measuring.
- 8. Keep the thermometer out of reach of children.
- 9. Do not drop the unit and protect it from severe impact and shock. Once it happens, do not use the unit until it is recalibrated.
- 10. Do not expose the unit to direct sunlight or high temperatures.
- 11. Normally speaking, body temperatures in the morning (lower) will be different from those in the afternoon (higher). So, please measure your body temperature in the same place

#### **PRODUCT DESCRIPTION**



- 1. Probe sensor 2. LCD screen
- 3. On/Off button
- 4. Battery hole
- Battery cover
- 6. LED indicator 7. Scan button

#### **PRODUCT SPECIFICATION**



| Sody temperatures  |   |  |  |  |
|--------------------|---|--|--|--|
| Measurement range: | 34°C ~ 42°C (93.2°F ~ 107.6°F)  |  |  |  |
| Accuracy:          | ±0.2°C (±0.4°F) - 35.5°C ~ 42°C (95.9°F ~ 107.6°F)<br>±0.3°C (±0.5°F) - 34°C ~ 35.4°C (93.2°F ~ 95.7°F) |  |  |  |
| Red LED:           | 37.8°C ~ 42°C (100°F ~ 107.6°F)   |  |  |  |
| Green LED:         | 34°C ~ 37.7°C (93.2°F ~ 99.9°F)   |  |  |  |

| vide temperatures  |                            |
|--------------------|----------------------------|
| Measurement range: | 0°C ~ 100°C (32°F ~ 212°F) |
| Accuracy:          | ±1°C (±2°F)                |
| Red LED:           | Not applicable             |
| Green LED:         | 0°C ~ 100°C (32°F ~ 212°F) |

#### General specification

| Display unit:                  | 0.1°C or °F   |  |
|--------------------------------|---|--|
| Battery:                       | One Lithium CR2032 battery  |  |
| Battery life:                  | 1,000 measurements approximately (under normal use)   |  |
| Weight:                        | Approx. 40 grams including battery  |  |
| Dimensions:                    | 126 mm x 38.2 mm x 31.6 mm  |  |
| Operation condition:           | 16°C ~ 35°C (61°F ~ 95°F)   |  |
| Storage (transport) condition: | -25°C ~ 55°C (-13°F ~ 131°F)  |  |
| Applying standards:            | EN 60601-1, EN 60601-1-2, EN12470-5, ASTM E1965   |  |
| Classification:                | According to IEC 60601-1, the whole unit is  •  |  |
| Clinical repeatability:        | Clinical repeatability has been carried out in accordance with EN12470-5:2003, section 6.3.4. The test result proves that it complies with the requirement, i.e. the clinical repeatability does not exceed ±0.3°C. |  |

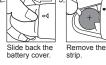
This thermometer converts the forehead temperature to display its "oral equivalent." (according to the result of the clinical evaluation)

### **BEFORE FIRST USE**

The thermometer is delivered with a lithium battery (CR2032) already in place. However in order to extend the battery life, we've inserted a strip in the battery compartment. Therefore, before your first use, please follow instructions below so as to take off the strip.



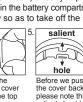
the battery cover



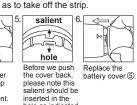








in the drawing.

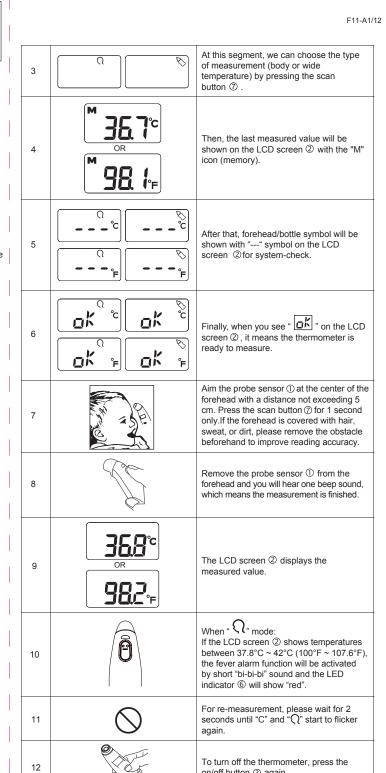


### °C / °F SWITCH

To switch between °C and °F, press and keep pressing the scan button ⑦ for 5 seconds when power off, then the LCD screen ② will show the opposite unit (if default is "°C", it will show "°F"). After that, the thermometer will turn on automatically.

### **OPERATION**

| Steps | Drawings  | Instructions   |  |
|-------|-----------|--|--|
| 1     |           | Press the on/off button ③ to turn the thermometer on.    |  |
| 2     | M = 3 0 % | The LCD screen ② will display all segments for 1 second. |  |



If the power is left on, the thermometer will automatically shut off after 1 minute to

on/off button 3 again.

For all types of thermometers, slight temperature variations can happen. Therefore, it is recommended to take several readings (removing the thermometer from the forehead between each measurement) and take the highest one into account.

# **MEMORY MODE**

The thermometer automatically stores 8 memories. To check last 8 measured values,

1. Press the scan button  $\ensuremath{{\mathbb O}}$  when power off. Then, the LCD screen  $\ensuremath{{\mathbb O}}$  will display the "M" icon.



2. Press the scan button  ${\ensuremath{\mathbb{O}}}$  once again. The LCD screen  ${\ensuremath{\mathbb{Q}}}$  will display "M1", and then it will display the first memory automatically.

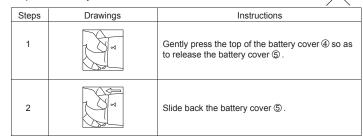


3. Press the scan button ⑦ again. The LCD screen ②will display "M2", and then it will display the second memory automatically, and so on.

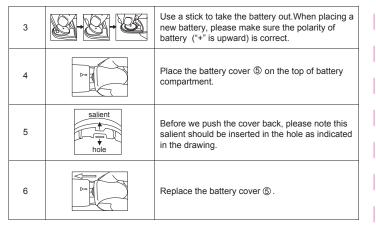


### **BATTERY REPLACEMENT**

When the battery symbol " " is displayed on the LCD screen ", please replace the battery and follow instructions as below.







- Do not recharge the battery.
- Do not swallow the battery which may be fatal.
- Do not dispose of the battery in fire as it may explode.
- Do not attempt to disassemble the unit except battery replacement.

#### **ERROR INDICATIONS**

| LINON INDICATIONS |   |  |  |
|-------------------|---|--|--|
| Error signals     | Problems & Solutions  |  |  |
| H, °c             | Q: If the temperature is more than 42°C/107.6°F (body temperature) or 100°C/212°F (wide temperature), the LCD displays "Hi".  A: Recheck the measured object before measuring.  |  |  |
| Lo°c              | Q: If the temperature is below 34°C/93.2°F (body temperature) or 0°C/32°F (wide temperature), the LCD displays "Lo".  A: Recheck the measured object before measuring.  |  |  |
|                   | Q: Informing battery replacement time. A: Replace the battery.  |  |  |
|                   | Q: Informing inactivity due to low battery. A: Replace the battery.   |  |  |
| Err5              | Q: Operation temperature is out of range.  A: Put the device in a place with normal room temperature  (16°C ~ 35°C/61°F ~ 95°F) for, at least, 30 minutes before measuring.  If it still displays "Err", it means the device does not work properly and please consult the distributor. |  |  |
| [Frr3]            | The device does not work properly and please consult the distributor.   |  |  |

### **EXPLANATION OF LOT NUMBER**

The date of manufacture is included in the LOT. The LOT has 5 numbers. The first number means the year (0-9). The second number means the month (Jan. - Sep.: 1-9, Oct.: A, Nov.: B, Dec.: C). The third and fourth numbers mean the date (1-31). And the last number means the batch of the month



# ▼ ▼ month batch of the month

## **CLEANING AND MAINTENANCE**

- 1. Sensor in the front of the probe is an extremely sensitive part. For accurate measurement, always keep it clean and do not damage it.
- 2. Place the thermometer back to the storage case, and put the probe face down to prevent any dirt or liquid into it.
- 3. Carefully clean the sensor by using a cotton-stick with alcohol (95%). After cleaning, allow, at least, 1-hour drying time for measurement.
- 4. The outside of the probe should be cleaned with soft cloth moistened in alcohol or water.
- 5. Do not immerse the product in water or any other liquid. 6 Keep the device under normal room temperature (16°C ~ 35°C/61°F ~ 95°F)
- 7. We recommend verifying the accuracy by an authorized laboratory every 2 years.

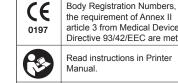
### **DISPOSAL**

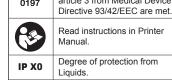
- 1. Please dispose of the product and the battery separately.
- 2. The product and the battery should not be disposed of with household waste. 3. Please follow local waste / battery disposal regulations.

## **LIMITED WARRANTY**

This thermometer is guaranteed for 2 years from the date of purchase against Manufacturer's defect under normal use. If your unit does not function properly due to defective parts or assembly, we will repair it free of charge. All parts are covered by this warranty except the battery and damage to the unit due to improper handling.

#### **SYMBOL AND EXPLANATION** The CE mark and Notified





|         | ***    | Manufacturer   |
|---------|--------|--|
| e<br>t. | EC REP | Authorized representative in the European Community.   |
|         |        | Indicates this device is subject to the Waste Electrical and Electronic Equipment Directive in The European Union. |



The RT7xxx series is intended for use in the electromagnetic environment specified below. The customer or the user of the RT7xxx series should assure that it is used in such an

|  | environment.                               | environment.   |   |  |  |
|--|--|----------------|---|--|--|
|  | Emissions test                             | Compliance     | Electromagnetic environment-guidance  |  |  |
|  | RF emissions<br>CISPR 11                   | Group 1        | The RT7xxx series 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<br>CISPR 11                   | Class B        | The RT7xxx series is suitable for use in all  |  |  |
|  | Harmonic emissions<br>IEC 61000-3-2        | Not applicable | establishments,including domestic<br>establishments and those directly connected to<br>the public low-voltage power supply network that<br>supplies buildings used for domestic purposes. |  |  |
|  | Voltage fluctuations/<br>flicker emissions | Not applicable |   |  |  |

#### Guidance and manufacturer's declaration - electromagnetic immunity

Guidance and manufacturer's declaration-electromagnetic emissions

The RT7xxx series is intended for use in the electromagnetic environment specified below. The customer or the user of the RT7xxx series should assure that it is used in such an

|   | Emissions test  | IEC 60601<br>test level    | Compliance level           | Electromagnetic<br>environment –<br>guidance   |  |
|---|---|----------------------------|----------------------------|--|--|
| - | Electrostatic<br>discharge<br>(ESD)<br>IEC 61000-4-2                | ±6 kV contact<br>±8 kV air | ±6 kV contact<br>±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<br>frequency<br>(50/60 Hz)<br>magnetic field<br>IEC 61000-4-8 | 3 A/m                      | 3 A/m                      | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.      |  |

NOTE UT is the a.c. mains voltage prior to application of the test level.

#### Guidance and manufacturer's declaration – electromagnetic immunity

The RT7xxx series is intended for use in the electromagnetic environment specified below. The customer or the user of the RT7xxx series should assure that it is used in such an

| environment.                 |                            |                     |   |  |
|------------------------------|----------------------------|---------------------|---|--|
| Immunity<br>test             | IEC 60601 test<br>level    | Compliance<br>level | Electromagnetic environment –<br>guidance   |  |
| Radiated RF<br>IEC 61000-4-3 | 3 V/m<br>80 MHz to 2,5 GHz | 3 V/m               | Portable and mobile RF communications equipment should be used no closer to any part of the RT7xxx series, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.  Recommended separation distance $d = 1, 2 \sqrt{p}$ 80 MHz to 800 MHz $d = 1, 2 \sqrt{p}$ 800 MHz to 2,5 GHz  where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).  Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, a should be less than the compliance level in each frequency range.b |  |

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people

a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the RT7xxx series is used exceeds the applicable RF compliance level above, the RT7xxx series should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the RT7xxx series.

b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

#### Recommended separation distances between portable and mobile RF communications equipment and the RT7xxx series

The RT7xxx series is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the RT7xxx series can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the RT7xxx series as recommended below, according to the maximum output power of the communications equipment.

| Rated maximum output power of | Separation distance according to frequency of transmitter m |                                 |                                  |  |
|-------------------------------|---|---------------------------------|----------------------------------|--|
| transmitter<br>W              | 150 kHz to 80 MHz<br>d = 1,2 √P                             | 80 MHz to 800 MHz<br>d = 1,2 √P | 800 MHz to 2,5 GHz<br>d = 2,3 √P |  |
| 0,01                          | 0,12  | 0,12                            | 0,23                             |  |
| 0,1                           | 0,38  | 0,38                            | 0,73                             |  |
| 1                             | 1,2   | 1,2                             | 2,3                              |  |
| 10                            | 3,8   | 3,8                             | 7,3                              |  |
| 100                           | 12  | 12                              | 23                               |  |

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.