

# serenelife<sup>TM</sup>



## *SLTM20*

### **Infrared Digital Thermometer**

Touchless Thermometer for Adults and Kids  
with LCD Display, Fever Alarm, and Memory Recall

***User Manual***

# **Please read this manual completely before operation**

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## 1. Introduction

Please read this instruction completely and carefully to ensure safe use, accurate results and long operation life.

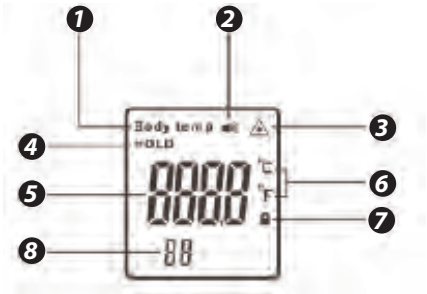
This device offers fast response and high accuracy to read the body temperature by scanning forehead in a non-contact manner. This product is applicable for use in households. It is not intended to diagnose or treat any health problem or disease and should not be used as a substitute for the consultation and advice of a physician or other medical professional. The product consists of ABS plastics, temperature sensor, Infrared temperature measuring element, microcomputer controlled circuit, LCD, backlight and buzzer.

## 2. Meter Description



1. **IR sensor:** Used to measure temperature on the forehead
2. **Display Screen**
3. **Tone button:** Turn **ON/OFF** the buzzer. A tone icon is present in the display screen when it's on.
4. **°C/°F switch button:** Press and release to switch between Fahrenheit and Celsius. The default setting is Celsius and a "°C" icon appears in the display screen. A "°F" icon was shown while Fahrenheit is used.
5. **Mode switch button:** Press and release to switch between "**Body temperature**" mode and "**Surface temperature**" mode. The "**Body temp**" icon appears.
6. When "**Body temperature**" mode is on.  
**Backlight on/off button:** Press and release to turn on/off the backlight. The previous status will be set as the default setting. The icon will be shown when the backlight is on.
7. **Trigger:** Pull and release to turn the thermometer on when the device is off. Press and release to measure.
8. **Battery cover**

### 3. Display Layout



1. Body measurement mode
2. Tone icon
3. Backlight on icon
4. Data hold icon
5. Temperature readout
6. Temperature unit symbol
7. Low battery icon
8. Data records

### 4. Battery installation and replacement

#### 4.1 Battery installation

(Complimentary with 2 DC 1.5V batteries)

Open the battery cover and put the two AAA batteries into battery compartment in correct polarities. Push the battery cover back to close.

## 4.2 ⚠ Battery replacement

When the low battery icon "🔋" appear on the display, replace the battery as soon as possible. Replacing step is similar to the installation. The batteries used in the infrared Thermometer are two AAA batteries. Either rechargeable or non-rechargeable batteries can be used in the thermometer. Dispose of the expired batteries in accordance with local environmental policies to avoid the irreversible pollution.

## 5. Operation

### 5.1 ⚠ Measurement Operation

Read this user's manual carefully before use, and make sure the battery is properly installed. Pull and release trigger to turn the thermometer on. The device will run a self-test and all symbols on the display will shortly appear. The device will default the last mode used. To measure the body temperature, make sure the "**Body temp**" icon is on. If not, press mode switch button to turn it on. Then aim the infrared lens at the individual's forehead, holding the thermometer approximately 3-5cm away.

After pulling and releasing the trigger, the temperature reading will be displayed with a beep when the tone model is on. If the temperature measurement is below 32°C or 89.6°F, a **“Lo”** symbol will appear. If the reading is above 42.9°C or 109.22°F, a **“Hi”** symbol will be displayed. Meanwhile, the buzzer will send out a **Di-Di-Di** alarm when the tone model is on. The screen will change from green to red at the same time, if the backlight is on. One more test would be applicable in both conditions. If the reading is above 37.4°C or 99.32°F but below 38°C or 100.4°F the screen will change from green to yellow when the backlight is on. If the reading is above 38.1°C or 100.4°F the buzzer will send out a **Di-Di-Di** alarm when the tone model is on and the screen will change from green to red when the backlight is on. In the **“surface temperature”** mode, no **“Body temp”** icon is show on the screen. This model can be used to display the true values of measure results which is either higher than 42.9°C (109.22°F) or lower than 32°C (89.6°F). The thermometer will automatically shut off after 20-seconds standby.

⚠ It should only be used under the supervision of an adult. It is prohibited to immerse the thermometer in any liquid or to be exposed to excessive or low temperatures for long periods (see the suggestive operating environment in the manual). It is prohibited use in strong electromagnetic interference environment, such as microwave ovens, mobile phones, induction cookers, etc.

## 5.2 Memory model

The model was only valid in body temperature model. Press the °C/°F switch button for 2 seconds to enter into memory mode. Maximum 10 records in Fahrenheit and Celsius series respectively could be stored. After 10 measurements have been stored, the oldest reading will be automatically replaced by the new one. Press "**mode switch button**" to toggle the different records from newest to oldest. To quit, press the trigger or leave it standby for 8 seconds.

## 6. Maintenance, storage and calibration

Improper care or use of the thermometer may result in damage to the device or inaccurate readings, leading to a misdiagnosed fever. Please follow these instructions to ensure the thermometer's accuracy and long life operation.

## **Maintenance**

The body of the thermometer can be cleaned with a soft, dry cloth. Do not use water to wash the thermometer. Do not use cleaning agents other than alcohol, such as abrasives, thinners or gasoline. The lens should be cleaned before and after each use.

An alcohol swab, or a soft cotton cloth moistened with 70% isopropyl alcohol, could be used to gently clean the lens. Never use a paper towel to clean the probe tip, as it may scratch the lens.


## **⚠ Storage**

Do not expose the device directly to sunlight, dust, high temperature, fire, flames, shocks and humidity. Remove the batteries if you do not use the thermometer for long term. Prohibit collisions, falls and mixing with sharp objects. Place the thermometer out of the reach of kids. Replace with a new infrared thermometer after the service life (5 years). Dispose of waste in accordance with local laws and regulations.

## Calibration

The thermometer is factory-calibrated and the accuracy has been strictly tested. To ensure the precision and accuracy, 1 year periodic calibration is recommended. Do not try to modify or reassemble the device by yourself. If any problems, contact with the dealers or the manufacturers.

## 7. Troubleshooting

Error Symbol	Problem or Cause	Solution
Hi	Temperature measurement is above 42.9°C or 109.22°F	Reposition the thermometer and try again.
Lo	Temperature measurement is below 32.0°C or 89.6°F	Reposition the thermometer and try again.
	Low battery	Replace battery before using thermometer again
Blank display/ No response	Turned off or battery problem	Press Power button to activate unit. Check battery type or polarity (position in the unit). Replace battery.

## 8. Name and Content of Toxic or Harmful Substances

Part Name	Toxic or Harmful Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr6+)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Printed board components	x	o	o	o	o	o
Plastic	o	o	o	o	o	o
Metal Shell	o	o	o	o	o	o
Battery	x	o	o	o	o	o
<b>Notes :</b> o : Means that the content of the toxic or harmful substance in all homogeneous materials of this part is below the limit stipulated in SJ/T11363-2006 x : Means that the content of the toxic or harmful substance in at least one of the homogeneous materials of this part is beyond the limit stipulated in SJ/T11363-2006; but as for the component marked with "x" on the table, the content is beyond the limit since there is no alternative mature technology in the industry yet.						

## 9. Device and Label symbols



### Read This Manual

All included manuals should be read prior to first use



### Type BF Applied Parts

Indicates that a part of this unit comes in contact with the patient in order to carry out it's intended function; in the case of this device the cuff is the Type BF Applied Part.



### Warning

Symbol indicates a warning, prohibition or mandatory action that mitigates a risk that is not necessarily obvious to the device operator



### Environment Protection

dispose of this product properly; consult with your local recycling ordinances for proper recycling and disposal

## ***10. Features and Technical Specs***

### **Features:**

- Non-Contact and Quick Temperature Measurement
- Convenient and Sanitary
- Multi-Modes Tester
- Fast Switching Between °C and °F
- Supports Body Temperature Function
- LCD Display & Built-in Fever Alarm
- Stores Different Temperature Readings for Baby/Kids and Adults
- 10 Values Automatically be Overwritten in Chronological Order

### **What's in the Box:**

- Infrared Thermometer

### **Technical Specs:**

- Construction Material: Engineered ABS + PCBA
- Normal Forehead Temperature Range: 0-2 y/old (36.4-38.0 °C), 3-10 y/old (36.1-37.8 °C), 11-65 y/old (35.9-37.6 °C), 65 y/old (35.8-37.5 °C)
- Measurement Method: Non-contact
- Measurement Time: ≤0.5s
- Accuracy: ± 0.2°C(3.2°F)
- Backlight LCD display: 3 Colors (Green, Yellow, Red)
- Records: 10 Memory Storage
- Automatic off time: 15 seconds
- Power Source: 2\*AAA battery (Not Included)
- Product Dimension (L x W x H): 5.97" x 4.4" x1.8" -inches

## ***11. Limited Warranty***

The warrantor guarantees that its Infrared Thermometer will be free from manufacturing defects for a period of three years from the date of purchase. This warranty does not cover batteries or other power sources that may be provided with or used with the device. This warranty is voided if the Infrared Thermometer is misused or abused in any manner. If the Infrared Thermometer fails to operate during the time the original purchaser owns it, return it to the dealers or contact the manufacturer. When returning a product, please also include the warranty card with your name, address, phone number and brief description of the specific problem. Take care to carefully package the product to avoid any damage that may occur while in transit; shipping insurance with returned receipt is recommended. The warrantor will repair or replace the defective unit at our option. Repair or warrantor will repair or replace the defective unit at our option. Repair or replacement of the defective unit, at the warrantor's option, is the sole remedy under this warranty.

This warranty constitutes the warrantor's only reasonability and obligation to repair and/or replace materials or components, or refund the purchase price. The warrantor will not be responsible for any indirect, incidental, special consequential or punitive damages or other loss, including, but not limited to damage to or loss of other property or liable to the purchaser for any amount in excess of the cost of repair and/or replacement of the unit, or the purchaser for any amount in excess of the cost of repair and/or replacement of the unit, or the purchase price of the unit.

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**Questions? Issues?**

We are here to help!

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