



# User Guide



**SWT1A**

- Do not use the thermometer outside of the normal operating ambient humidity of up to 95%RH.
- Do not use the thermometer when the ear canal is wet, or when the person is suffering from ear infection.
- Do not insert the probe into the ear canal with excessive force.
- The use of this thermometer is not intended as a substitute for physician's consultation.
- Earwax and obstructions will affect the accuracy of the temperature reading.
- Sleeping on your ear may cause the ear temperature to rise.
- The thermometer is calibrated and does not require re-calibration if used in accordance to the instructions.
- The measured temperature may be different for each side of the ear. It is recommended to use the same side ear to help ensure accurate measurements.
- Body temperature will rise after a shower or exercise.
- This thermometer is intended for household use only.

## Storage Requirements

- Do not expose to temperature extremes below -20°C (-4°F) or over 50°C (122°F), or excessive humidity (above 95%RH).
- Do not expose to direct sunlight or fire.
- Do not shock, vibrate, drop or step on the thermometer.

- Do not allow any liquids into the thermometer.
  - Do not disassemble, repair or remodel the thermometer.
  - Keep out of reach of children.
  - Clean the main body of the thermometer with a dry soft cloth. Please do not use abrasive cleaning agents.
  - Use only AA type batteries (but do not use rechargeable batteries)
- Please do not discard the batteries into fire.

## Limited Warranty

Swaive warrants this product against any defects in material or workmanship for a period of one (1) year from the original date of purchase. The warranty only applies when used for normal use and does not cover cosmetic damage or damage due to the acts of God, accident, misuse, abuse, negligence, commercial use or modification of or to any part of the product. This warranty excludes the battery and probe covers. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SWAIVE SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, EXCEPT TO THE EXTENT PROHIBITED BY LAW.

To obtain warranty service, please contact Swaive Customer Support. Proof of purchase (which is evidence

that the product is within the warranty period) must be provided. This warranty is invalid if the factory applied labels have been altered or removed from the product.

## Manufactured By

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## Specification

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Model                               | SWT1A infrared ear thermometer                   |
| Sensor type                         | Thermopile                                       |
| Displayed temperature range         | 33°C~40°C (92.0°F~105°F)                         |
| Operating ambient temperature range | 10°C~40°C (50°F ~104°F )                         |
| Operating ambient humidity range    | 0~95% RH                                         |
| Accuracy                            | ± 0.1°C, ±0.2°F                                  |
| Battery type                        | Two AA batteries                                 |
| Battery life                        | At least 5000 measurements (2 years)             |
| Automatic Display Switch-off        | 10 secs after measurement has been taken         |
| Weight                              | 34g (with battery)                               |
| Standard/Compliance                 | ASTM E1965-98<br>Bluetooth LE v4.0<br>FCC Part B |
| CE Medical Device                   | Class II                                         |

## Copyright

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**Read and Save These Instructions**

Thank you for purchasing the infrared Swaive SWT1A family ear thermometer. Please read these instructions carefully to ensure safe operation and accurate temperature measurements.

**Package Contents**

- Swaive SWT1A thermometer
- Two AA batteries
- 20 Hygienic covers
- Case
- User Guide

The Swaive family thermometer can be used with or without a smart mobile device. To view the list of smart mobile devices and to download the latest app, please visit [www.swaive.com/devices](http://www.swaive.com/devices).

**Understanding Body Temperature**

Normal body temperature is a range and not a fixed value. Body temperature fluctuates throughout the day and is generally lower in the morning and higher in the evening. Body temperature is also lower as one ages. An infant can have a higher normal temperature than an adult. Additionally, temperature taken at different parts of the body (oral, axilla, rectum and ear) will have different temperature ranges. Therefore, body temperature from different parts of the body should not be directly compared. The normal temperature range for the

Swaive ear thermometer for different ages is shown below.

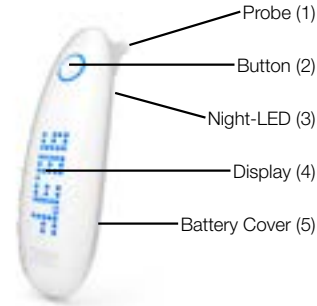
| Age (years) | Range (°C) | Range (°F) |
|-------------|------------|------------|
| 0-2         | 36.4-38.0  | 97.5-100.4 |
| 3-10        | 36.1-37.8  | 97.0-100.0 |
| 11-65       | 35.9-37.6  | 96.6-99.7  |
| >65         | 35.8-37.5  | 96.4-99.5  |

The Swaive thermometer app can learn each family member's normal body temperature range and compensate for variations that may typically exist. Use the Swaive app on yourself and your family members to determine the normal temperature range.

**Why Use the Ear?**

Human body temperature is controlled and regulated by the hypothalamus in the brain. The blood flowing through the hypothalamus also flows through the ear drum. The Swaive thermometer uses infrared technology to measure the energy emitted from the ear drum and the surrounding tissue. This is safely and accurately converted into core body temperature.

**Product Description**



**Using With a Smart Mobile Device**

1. Visit [www.swaive.com/downloads](http://www.swaive.com/downloads) and download the Swaive thermometer app.
2. When the installation is complete, open the Swaive thermometer app.
3. Open the battery cover (5) and insert the batteries into the Swaive thermometer. RDY will be displayed on the Swaive thermometer display (4). When the display is clear, the thermometer is ready for use.
4. The Swaive thermometer will automatically connect to the Swaive thermometer app. The Swaive thermometer app will notify you when the connection is complete. If the notification does not appear, please go to the Swaive thermometer app settings tab and follow the instructions on how to connect. Please note, Bluetooth must be enabled on the smart mobile device.

5. For night use, hold the button (2) down for three seconds to turn the night-LED (3) on. Repeat to turn the night-LED (3) off. For day-time use, ignore this step.
6. Place a new hygienic cover on the probe (1).
7. Place the probe (1), with the hygienic cover on, into the ear.
8. Press button (2) once. You will hear a beep.
9. A second beep will sound when the temperature has been taken. The temperature reading will be shown on the display (4) and will be transmitted to the smart phone automatically.
10. Swaive thermometer will automatically go in to sleep mode and is always ready. To take a new reading, follow steps 5 to 9.

**Using Without a Smart Mobile Device**

1. Open the battery cover (5) and insert batteries in to the Swaive thermometer. RDY will be displayed on the Swaive thermometer display (4). When the display is clear, the thermometer is ready for use.
2. For night use, hold the button (2) down for three seconds to turn the night-LED (3) on. Repeat to turn the night-LED (3) off. For day-time use, ignore this step.
3. Place a new hygienic cover on the probe (1).
4. Place the probe (1), with the hygienic cover on, into the ear.

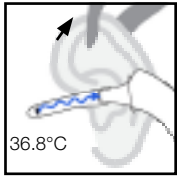
5. Press button (2) once. You will hear a beep.
6. A second beep will sound when the temperature has been taken. The temperature will be shown on the display (4). Please note, if a smart mobile device is not connected, the reading will be stored in the Swaive thermometer. The next time the smart mobile device is connected, all readings will be sent to the smart mobile device.
7. Swaive thermometer will automatically go in to sleep mode and is always ready. To take a new reading, follow steps 2 to 6.

**Correct Usage**

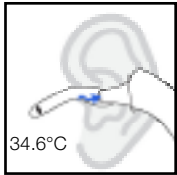
1. Measurements should only be taken with a probe cover. A new and clean probe cover before every measurement.
2. To obtain the most accurate temperature, the ear should be gently tugged allowing a clear view of the ear drum (figure A). If the ear is not tugged, then a incorrect temperature reading could be taken (figure B). Tugging the ear straightens the ear canal providing a clear passage to the ear drum. While tugging the ear, fit the probe snugly into the ear canal.
3. For children under 1 year (older than 6 months), pull the ear straight back (figure C). For children aged 1 year to adult, pull the ear up and back (figure D).

**Taking Safe & Accurate Readings**

- Please use a new and clean hygienic cover for every measurement.
- Do not use the thermometer outside of the normal operating ambient temperature of 10°C (50°F) ~ 40°C (104°F).



A



B



C



D

**Federal Communications  
Commission Interference  
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 or more of the following measures:

- Reorient or relocate the receiving antenna.
- 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.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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.

**RF exposure warning**

**The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.**

