

# Kinsa Smart Ear Thermometer™

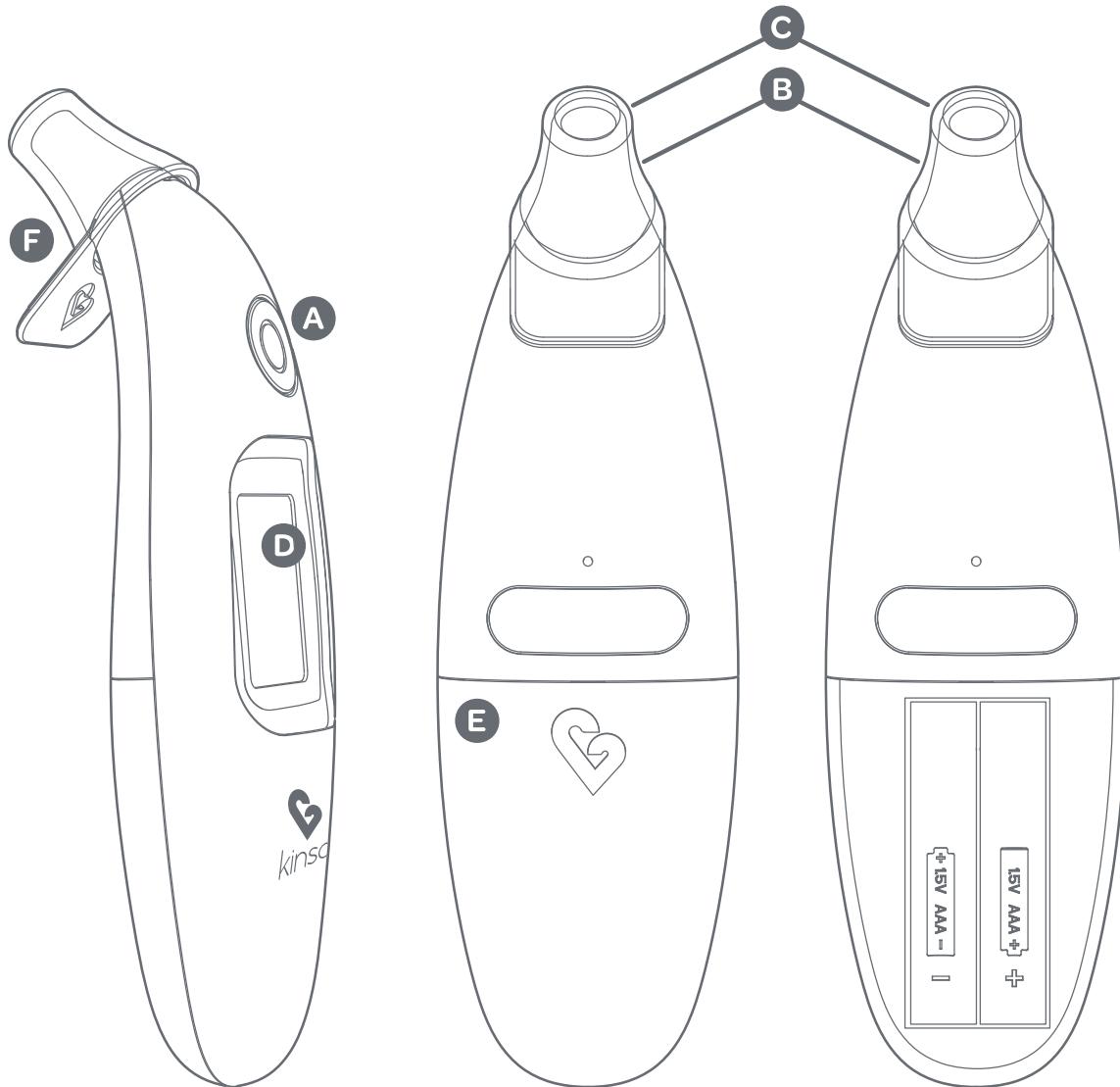
## Instructions For Use

Thank you for purchasing the Kinsa Smart Ear Thermometer™, a professionally accurate instrument for fast and easy temperature taking in the ear. Please read these instructions carefully to ensure accurate temperatures and safe operation.

Your Kinsa Smart Ear Thermometer is optimized for use with the free Kinsa app, but can be used alone as well. For the full experience including features such as symptom tracking and fever guidance, download the app on the App Store or Google Play store and connect your thermometer to your mobile device. For the full list of supported devices, see **[kinsahealth.com/phones](http://kinsahealth.com/phones)**.



## Product Description



G



- A** Power/Start button
- B** Probe
- C** Probe tip
- D** Display
- E** Battery door
- F** Protective cap
- G** Kinsa mobile app

## Intended Use

The Kinsa Smart Ear Thermometer is intended to measure the human body temperature in the ear. This device is reusable for clinical or home use on both adults and children.

## Warnings And Precautions

- This thermometer functions with most Apple and Android mobile devices. Please see [kinsahealth.com/phones](http://kinsahealth.com/phones) for the full list of supported devices.
- Clean the probe before and after use.
- Never use the thermometer for purposes other than body temperature measurement.
- Please follow the safety precautions when using on children.
- The operating ambient temperature range for this thermometer is 59° - 104 °F (15- 40 °C).
- Do not expose the thermometer to temperature extremes:  
(below -13 °F / -25 °C or over 131 °F / 55 °C) or excessive humidity (>95% RH).
- Use of this thermometer is not intended as a substitute for consultation with your physician.
- High, prolonged fever requires medical attention. Be sure to contact your physician.
- The thermometer is water resistant, not waterproof. Never dip the thermometer into water or other liquids. Do not boil the probe. For cleaning and disinfecting, please see Cleaning and Storage.
- Keep out of reach of unattended children. Do not allow children to walk or run while taking a temperature.
- Kinsa recommends using a password on your smartphone to protect your information.

## Features of your Kinsa Smart Ear Thermometer

- Fast 1 second reading.
- Meets ASTM & ISO standards for professional accuracy.
- Gentle and easy to use in the ear.
- No probe covers needed.
- Conveniently displays in °F or °C.
- Water resistant, for safe cleaning.
- Use with or without your mobile device. Connects via Bluetooth Low Energy.
- Additional Smart functionality available through Kinsa app.

## Body Temperature

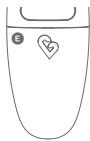
Temperature readings vary from person to person, by age, time of day, and by site of measurement. For example, core body temperature often decreases with age. The best method to determine your own normal temperature is to use the thermometer when you are feeling well. Record your temperature twice a day (early morning and late afternoon) using the Kinsa app. Take the average of the two temperatures. This is considered your normal body temperature. Any variation from it may indicate some sort of illness and you should consult your physician.

## Why Measure in the Ear?

Ear temperatures accurately reflect core body temperature, since the eardrum shares a blood supply with the temperature control center in the brain: the hypothalamus.<sup>1</sup> The Kinsa Smart Ear Thermometer monitors the infrared heat radiated from the eardrum and surrounding tissue and detects once an accurate temperature measurement has been taken.

<sup>1</sup> Netter H F, Atlas of Human Anatomy, Novartis Medical Education, East Hanover, NJ, 1997, pp 63, 95.

## To Set Up Your Thermometer For First Time Use



1. Open the battery door .



2. Insert two AAA batteries (included), making sure the poles are in the right direction, into the thermometer. Snap battery door into place.



3. Enable Bluetooth on your mobile device.



4. Download the Kinsa app from the App Store or Google Play. The app can also be downloaded by going directly to [kinsahealth.com/download](http://kinsahealth.com/download). Please see [kinsahealth.com/phones](http://kinsahealth.com/phones) for the full list of supported devices.



5. Launch the Kinsa app. (The app will be on your Home screen or in your Apps folder depending on type of mobile device.)



6. Turn the thermometer on and follow the prompts to install.



7. Your thermometer is now successfully connected to your mobile device. For future temperature readings, open the Kinsa app to automatically sync readings to your mobile device and assign to individual family members, add notes or symptoms/medications, and see guidance.

## To Set Up Your Thermometer with Additional Mobile Devices



1. If you have the original phone, open Kinsa, go to "More," select the thermometer to remove and choose "Forget Thermometer."

2. On the additional mobile device, repeat Steps 3 through 7 above.



3. Your thermometer is now successfully connected to an additional mobile device.

## Taking a Temperature



1. Tap the Power/Start button **A** to turn on the thermometer. You will hear a beep when the thermometer is ready to take a temperature.

*The thermometer will be ready for temperature taking when the screen shows three dashes.*



2. First, gently tug the ear straight up and back. Next, fit the probe snuggly into the ear canal. Be sure to position the probe so that it is pointing toward the center of the head. Once in position, push and release the Power/Start button.
3. A beep will indicate when the temperature measurement is successfully completed. Temperature readings typically take 1 second.

102.5°



4. The temperature reading will be shown on the illuminated display. A smiling face icon indicates that the temperature is normal while a neutral or frowning face indicates a mild or high fever, respectively.
5. The thermometer will automatically turn off after 45 seconds of inactivity. The display will briefly flash OFF and it will go blank. You can also hold down the button to power off.

NOTE: Always take measurements in the same ear since temperature readings may differ from the right and left ear.

## Understanding Your Thermometer Display

| DISPLAY         | SITUATION  | SOLUTION  |
|-----------------|--|---|
| Battery levels: |  |   |
|                 | 2 bars = 40% battery   |   |
|                 | 1 bar = 20% battery  |   |
|                 | 0 bars = 5% battery  |   |
| HI<br>H L       | Temperature taken is not within typical human temperature range (93.2-108 °F or 34-42.2 °C)<br>H = too high<br>L = too low | Make sure the probe tip and lens are clean. Make sure the thermometer is properly inserted. Then, take a new temperature.<br><br>If you continue to encounter an error, contact Kinsa Customer Support. |
| APP<br>APP      |  | Connect to Kinsa app.   |
| ERR<br>Err      |  | Problem detected, check the app for details.  |

### Changing The Temperature Scale

If you wish to change the temperature scale of your thermometer, turn your thermometer on and then press the big white button two more times in rapid succession.

NOTE: temperature scale in app can be changed within app settings.

## Cleaning And Storage

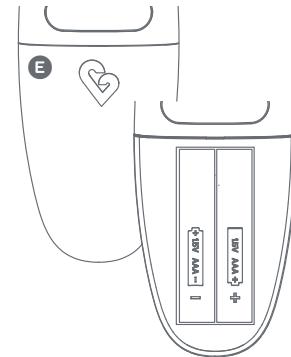
To ensure your Smart Ear thermometer is recording accurate temperatures, it is very important to keep the probe sensor tip clean. To clean the probe tip, gently wipe it with a cotton swab or soft cloth moistened with alcohol. Gently circle the alcohol wipe around the inner sensor area at the tip of the Smart Ear. Be sure to clean the inner flat surface of the sensor - not just the rim. Never submerge your Kinsa or put it in boiling water or a dishwasher.



Keep the protective cap snapped onto the top of the thermometer when not in use to protect the tip from damage.

## Replacing the Battery

The Kinsa Smart Ear thermometer is powered by 2 AAA batteries. When the battery is low, the screen will display "APP" and the Kinsa app on your phone will confirm a low battery. When the battery is critically low, the app will display "APP" and "OFF" and automatically shut down.



To replace the batteries:

Open the back battery cover **E** by pressing on the Kinsa logo and applying downward pressure to slide it off. Remove the old batteries and replace with new ones. Make sure the batteries are in the correct polarity direction. Close the battery cover.



To protect the environment, dispose of the product and empty batteries at your retail store or at appropriate collection sites according to national or local regulations.

## Calibration

This thermometer is initially calibrated at the time of manufacture. If this thermometer is used according to the use instructions, periodic re-adjustment is not required. If at any time you question the accuracy of temperature measurements, please contact Customer Support.

## Product Specifications

|  |   |
|--|---|
| Displayed temperature range:           | 93.2 °F – 108 °F (34°C – 42.2 °C)   |
| Operating ambient temperature range:   | 59°F – 104 °F (15 °C – 40 °C)   |
| Display resolution:                    | 0.1°F or °C   |
| ACCURACY FOR PATIENT TEMPERATURE RANGE | MAXIMUM LABORATORY ERROR  |
| 95 °F – 107.6 °F (35 °C – 42 °C):      | ±0.4°F (±0.2 °C)  |
| Outside this range:                    | ±0.6°F (±0.3 °C)  |
| Temperature Storage Range:             | -13 °F to 131 °F (-25 °C to 55 °C)  |
| Humidity Storage Range:                | 15 – 95 % RH (non-condensing)   |
| Battery type:                          | Two AAA batteries   |
| Battery life:                          | Approx 2 years  |
| Bluetooth:                             | Bluetooth 5   |
| Guarantee of Quality:                  | Complies with ASTM E1965-98,<br>IEC 60601-1, IEC 60601-1-2,<br>IEC 60601-1-11 |

FCC Rules - This device complies with part 15 of 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.

WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

This equipment is suitable for use in domestic establishments and is tested to CISPR emissions Class B Group 1 as well a home healthcare immunity criteria found in IEC 60601-1-2 Table 4, 6, and Table 9. During the IEC 60601-1-2 immunity tests performed the thermometer will accurately measure temperature or display an error. Smart Ear utilizes Bluetooth Low Energy (BLE), which uses the 2.4 GHz ISM band. BLE operates between 2.402 and 2.480 GHz. Smart Ear transmits less than -2 dBm effective radiated power. To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations. Keep out of reach of young children, elderly and pets. FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Manufactured By:

### Kinsa, Inc

535 Mission Street, 18th Fl  
San Francisco, CA 94105  
[www.kinsahealth.com](http://www.kinsahealth.com)

**Customer Support:** support@kinsahealth.com

## Limited Warranty:

Kinsa, Inc warrants this product against any defects that are due to faulty material or workmanship for a period of one year from the original date of consumer purchase or receipt as a gift. This warranty applies when used for normal household use in accordance with the Instructions for Use and excludes the battery and damage to the product resulting from accident or misuse. This product is not warranted when used in a professional environment.

In no event shall Kinsa, Inc be liable for any special, incidental, indirect, or consequential damages in connection with the purchase or use of this product or costs over the original cost of the product.

If the product should not perform to specifications within the warranty period, please contact Customer Support.

## Explanation of Symbols

|                        |                              |  |                         |  |   |
|------------------------|------------------------------|--|-------------------------|--|---|
|                        | Consult instructions for use |  | Manufacturer batch code |  | Product contains no latex                         |
|                        | Temperature limitation       |  | Catalogue number        |  | Type BF applied part                              |
|                        | Humidity limitation          |  | Non-sterile             |  | Do not use if product is broken, damaged, or open |
| <b>IP<sub>22</sub></b> | Dust and water rating        |  |                         |  |   |