

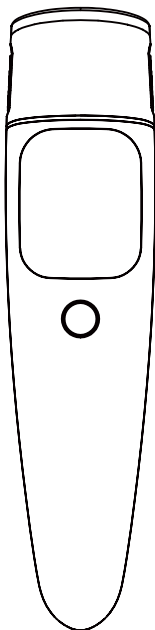


**Non-Contact Thermometer**

**Forehead or eardrum detection**

**Model No. OIR003**

**INSTRUCTION MANUAL**



Please read instruction manual before use



# Introduction

Thank you for purchasing this Dual-mode Infrared Thermometer. It has been carefully developed for accurate, safe and fast temperature measurements in the ear and forehead.


**Please read these instructions carefully before using this product and keep the instructions and the thermometer in a safe place.**

## Package Contents


No.	Name	Quantity
1	Infrared Thermometer	1
2	Pouch	1
3	Battery (AAA, optional)	2
4	User Manual	1

## 1. QUICK GUIDE IN ENGLISH HOW TO USE THE THERMOMETER




### 1.1 How to measure the forehead temperature

Position the thermometer probe at the middle of the forehead, hold the  button, slide to temple and release the button, the beep is heard, you can now read the value.

### 1.2. How to measure Ear temperature

Take off the probe cover, fit the probe snugly into the ear canal. Press and release the  button in 1 second, the beep is heard, you can now read the value.

### 1.3 How to measure room/object temperature

Keep the thermometer about 1-3cm away from the object. Press  button to power on, then press MODE button in the back to switch to room/object test mode, the Mark  will show on the display. Then press  button to measure. You can begin next measurement when the °C/°F on the screen is flashing.



#### 1.4 How to switch between mute and un-mute

When the thermometer is turned on, keep pressing the MODE button for 3 seconds, to switch from un-mute to mute.

#### 1.5 How to check the memory data

Press MEM button in the back to go to the memory mode, press this button again to check the 35 groups of memories one by one. If no value, it will display “\_\_M”.

#### 1.6 How to switch from °C to °F .

When the thermometer is turned off, long press the MEM button for 5 seconds until the LCD shows °C/°F, then release the button and press again to switch the unit.

#### 1.7 How to turn off the thermometer

The thermometer will shut down automatically after 10 seconds of no use. Or you can keep pressing the  button for 6 seconds.


#### 1.8 How to replace the battery

Slide the battery cover off along the marked direction. Put two AAA batteries correctly into the compartment.

Remove the batteries if the thermometer will not be used for more than two months.


## 2.KURZANLEITUNG IN DEUTSCH BENUTZUNG DES THERMOMETERS

#### 2.1.Wie wird die Stirntemperatur gemessen

Positionieren Sie die Thermometersonde in der Mitte der Stirn, Halten Sie die  -Taste gedrückt, Schieben Sie zur Schläfe und lassen Sie den Knopf los, der Piepton ist zu hören, Sie können den Wert jetzt lesen.


#### 2.2 Wie misst man die Ohrtemperatur

Nehmen Sie die Sondenabdeckung ab, Setzen Sie die Sonde fest in den Gehörgang ein.


Drücken Sie die  -Taste innerhalb einer Sekunde und lassen Sie sie wieder los, der Piepton ist zu hören, Sie können den Wert jetzt lesen.

#### 2.3 So messen Sie die Raum- / Objekttemperatur

Halten Sie das Thermometer etwa 1-3 cm vom Objekt entfernt.

Drücken Sie die  -Taste, um das Gerät einzuschalten, Drücken Sie



dann die MODE-Taste auf der Rückseite, um in den Raum- / Objekttestmodus zu wechseln, Die Markierung wird im Display angezeigt. Drücken Sie dann die  -Taste, um zu messen. Sie können mit der nächsten Messung beginnen, wenn ° C / ° F auf dem Bildschirm blinkt.

#### 2.4 So wechseln Sie zwischen Stummschaltung und Ton

Wenn das Thermometer eingeschaltet ist, Halten Sie die MODE-Taste 3 Sekunden lang gedrückt, um von Ton auf Stummschaltung umzuschalten.


#### 2.5 So lesen Sie die Speicherdaten

Drücken Sie die MEM-Taste auf der Rückseite, um in den Speichermodus zu wechseln, Drücken Sie diese Taste erneut, um die 35 Speicherguppen nacheinander zu überprüfen. Wenn kein Wert vorhanden ist, wird " \_\_M" angezeigt.

#### 2.6 Umschalten von ° C auf ° F

Wenn das Thermometer ausgeschaltet ist, Halten Sie die MEM-Taste 5 Sekunden lang gedrückt, bis im Display ° C / ° F angezeigt wird, Lassen Sie dann die Taste los und drücken Sie erneut, um das Gerät umzuschalten.

#### 2.7 So schalten Sie das Thermometer aus


Das Thermometer schaltet sich nach 10 Sekunden ohne Verwendung automatisch aus. Oder Sie können die  -Taste 6 Sekunden lang gedrückt halten.

#### 2.8 So tauschen Sie die Batterie aus

Schieben Sie den Batteriefachdeckel entlang der markierten Richtung ab. Legen Sie zwei AAA-Batterien richtig in das Fach ein. Entfernen Sie die Batterien, wenn das Thermometer länger als zwei Monate nicht verwendet wird.

### 3.GUIDE RAPIDE EN FRANÇAIS COMMENT UTILISER LE THERMOMÈTRE

#### 3.1.Comment mesurer la température du front

Placez la sonde thermométrique au milieu du front, maintenez le bouton  , glisser à la tempe et relâcher le bouton, le bip est entendu, vous pouvez lire la valeur maintenant.

#### 3.2.Comment mesurer la température de l'oreille




Enlever le couvercle de la sonde, insérer la sonde bien dans le conduit auditif.



Appuyez et relâchez le bouton  en 1 seconde, le bip est entendu, vous pouvez lire la valeur maintenant.

### 3.3. Comment mesurer la température ambiante / de l'objet

Gardez le thermomètre à environ 1-3 cm de l'objet.

Appuyez sur le bouton  pour allumer, puis appuyez sur le bouton MODE à l'arrière pour passer en mode de test de pièce / objet, la marque  apparaîtra à l'écran. Puis appuyez sur le bouton  pour mesurer. Vous pouvez commencer la mesure suivante lorsque les °C/°F de l'écran clignotent.

### 3.4. Comment basculer entre muet et non-muet

Lorsque le thermomètre est allumé, continuez à appuyer sur le bouton MODE pendant 3 secondes, pour passer de non muet à muet.


### 3.5. Comment lire les données de la mémoire

Appuyez sur le bouton MEM à l'arrière pour accéder au mode mémoire, appuyez à nouveau sur ce bouton pour lire les 35 groupes de souvenirs un par un. Si aucune valeur, il affichera “\_ \_M”.

### 3.6. Comment passer de °C à °F

Lorsque le thermomètre est éteint, appuyez longuement sur le bouton MEM pendant 5 secondes jusqu'à ce que l'écran LCD affiche °C/°F, puis relâchez à nouveau le bouton et appuyez sur pour allumer l'appareil.

### 3.7. Comment éteindre le thermomètre

Le thermomètre s'éteindra automatiquement après 10 secondes d'inutilisation. Ou vous pouvez continuer à appuyer sur le bouton  pendant 6 secondes.


### 3.8. Comment remplacer la batterie

Faites glisser le couvercle de la batterie dans le sens indiqué. Mettez deux piles AAA correctement dans le compartiment.

Tirez sur le cordon pour retirer les piles.


## 4. GUIDA RAPIDA IN ITALIANO COME USARE IL TERMOMETRO

### 4.1. Come misurare la temperatura della fronte


Posiziona la sonda del termometro sulla fronte, tieni premuto il pulsante , fai scorrere fino alla tempia e rilascia il pulsante, si sente il segnale acustico, ora puoi leggere il valore.





#### 4.2. Come misurare la temperatura dell'orecchio

Togliere il coperchio della sonda, inserire la sonda nel canale uditivo. Premere e rilasciare il tasto  in 1 secondo, si sente il segnale acustico, ora è possibile leggere il valore.

#### 4.3. Come misurare la temperatura di camera / oggetto

Tenere il termometro a circa 1-3 cm dall'oggetto. Premere il pulsante  per accendere, quindi premere il pulsante MODE sul retro per passare alla modalità test stanza / oggetto.

 mostrerà sul display. Quindi premere il tasto  per misurare. È possibile iniziare la misurazione successiva quando il ° C / ° F sta lampeggiando.

#### 4.4. Come passare tra silenzioso e suono

Quando il termometro è acceso, continua a tenere premuto il pulsante MODE per 3 secondi, per passare da suono e silenzioso.


#### 4.5. Come controllare i dati della memoria

Premere il pulsante MEM nella parte posteriore per passare alla modalità memoria, premere nuovamente questo tasto per controllare i 35 gruppi di memorie uno per uno. Se nessun valore, verrà visualizzato "\_\_M"

#### 4.6. Come passare da ° C a ° F.

Quando il termometro è spento, premere a lungo il pulsante MEM per 5 secondi fino a quando il display LCD mostra ° C / ° F, quindi rilasciare il pulsante e premere di nuovo per cambiare l'unità.

#### 4.7. Come spegnere il termometro

Il termometro si spegne automaticamente dopo 10 secondi di inattività oppure è possibile continuare a tenere premuto il pulsante  per 6 secondi.

#### 4.8. Come sostituire la batteria


Far scorrere il coperchio della batteria fuori dalla direzione indicata. Inserire due batterie AAA correttamente nello scomparto.

Rimuovere le batterie se il termometro non verrà utilizzato per più di due mesi.



## 5.GUÍA RÁPIDA EN ESPAÑOL COMO UTILIZAR EL TERMÓMETRO




### 5.1 .Cómo medir la temperatura de la frente

Coloca la sonda del termómetro en la frente, Mantenga presionado el botón  y manténgase en contacto escaneando la frente de un lado a otro y luego suelte el botón, se oír el pitido, ahora puede leer el valor.

### 5.2. Cómo medir la temperatura del oído

Retire la cubierta de la sonda, coloque la sonda cuidadosamente en el canal auditivo. Presione por 1 segundo el botón oído y suéltelo, sucesivamente se escuchará el pitido, ahora puede leer el valor.

### 5.3. Cómo medir la temperatura de la habitación/objeto

Mantenga el termómetro a 1-3 cm del objeto. Presione el botón de  para encender, luego presione el botón MODE en la parte posterior para cambiar al modo de prueba de sala / objeto.  se mostrará en la pantalla. Después presione  botón para medir la temperatura, luego se escuchará el pitido, ahora puede leer el valor.

### 5.4. Cómo cambiar entre modo y no mudo

Con el termómetro encendido, mantenga presionado MODE durante 3 segundos, para cambiar a modalidad mudo y no mudo

### 5.5. Cómo comprobar los datos de la memoria

Presione el botón MEM en la parte posterior para ir al modo de memoria, presione este botón nuevamente para verificar los 35 grupos de recuerdos uno por uno. Si no hay valor, se mostrará " \_ \_ M"

### 5.6. Cómo cambiar entre ° C a ° F.

Cuando el termómetro está apagado, presione y mantenga presionado el botón MEM durante 5 segundos hasta que la pantalla LCD muestre ° C / ° F, luego suelte el botón y presione nuevamente para cambiar ° C o ° F



## 5.7. Cómo apagar el termómetro

Se apaga automáticamente después de 10 segundos sin uso, o puede presionar el botón



durante 6 segundos

## 5.8. Cómo reemplazar la batería

Deslice la tapa de la batería a lo largo de la dirección marcada.

Coloque dos pilas AAA correctamente en el compartimiento.

Retire las baterías si no va a utilizar el termómetro durante más de dos meses.

## 6. WARNINGS AND PRECAUTIONS

- 1) Keep out of reach of children under 12 years.
- 2) Never immerse the thermometer into water or other liquids (not waterproof). For cleaning and disinfecting please follow the instructions in the "Care and cleaning" section.
- 3) Never use the thermometer for purposes other than those it has been intended for. Please follow the general safety precautions when using on children.
- 4) Keep the thermometer away from direct exposure to the sun and keep it in a dust- free,dry area,well-ventilated place at a temperature between 10°C (50°F)-40°C (104°F). Do not use the thermometer in high humidity environments. (> 95% RH)
- 5) Do not use the thermometer if there are signs of damage on the measuring sensor or on the instrument itself. If damaged,do not attempt to repair the instrument! Please contact dealer.
- 6) This thermometer consists of high-quality precision parts. Do not drop the instrument. Protect it from severe impact and shock. Do not twist the instrument or the measuring sensor.
- 7) Please consult your doctor if you see symptoms such as unexplained irritability,vomiting,diarrhea,dehydration, changes in appetite or activity,seizure,muscle pain,shivering,stiff neck,pain when urinating,etc.,even in the absence of fever.
- 8) Even in the absence of fever,those who exhibit a normal temperature may still need to receive medical attention. People who are on antibiotics,analgesics,or antipyretics should not be assessed solely on temperature readings to determine the severity of their illness.
- 9) Temperature elevation may signal a serious illness,especially in adults who are old,frail,have a weakened immune system,or neonates and infants. Please seek professional advice immediately when there is a temperature elevation and if you are taking temperature for whom are:



- Over 60 years of age (Fever may be blunted or even absent in elderly patients)
  - Having diabetes mellitus or a weakened immune system (e.g., HIV positive, cancer, chemotherapy, chronic steroid treatment, splenectomy)
  - Bedridden (e.g., nursing home patient, stroke, chronic illness)
  - A transplant patient (e.g., liver, heart, lung, kidney)
- 10) This thermometer is not intended for pre-term babies or small-for-gestational age babies. This thermometer is not intended to interpret hypothermic temperatures. Do not allow children to take their temperatures unattended.
- (11) Use of this thermometer is not intended as a substitute for consultation with your physician or pediatrician. It is for household use only.
- 12) Clean the thermometer probe after each use.
- 13) Do not use the thermometer on newborns or for continuous temperature monitoring purposes.
- 14) Do not take a measurement while or immediately after nursing a baby.
- 15) Patients should not drink, eat, or be physically active before/while taking the measurement.

## 7. Product Description

### 1) Overview

Infrared Thermometer measures the body temperature based on the infrared energy emitted from the eardrum or the forehead. Users can quickly get measurement results after positioning properly the temperature probe in the ear canal or forehead.

Normal body temperature is a range. The following tables shows that this normal range also varies by site. Therefore, readings from different site should not be directly compared. Tell your doctor what type of thermometer you used to take your temperature and on what part of the body. Also bear this in mind if you are diagnosing yourself.

	Measurements
Forehead temperature	36.1°C to 37.5°C (97°F to 99.5°F)
Ear temperature	35.8°C to 38°C (96.4°F to 100.4°F)
Oral temperature	35.5°C to 37.5°C (95.9°F to 99.5°F)
Rectal temperature	36.6°C to 38°C (97.9°F to 100.4°F)
Axillary temperature	34.7°C–37.3°C (94.5°F–99.1°F)

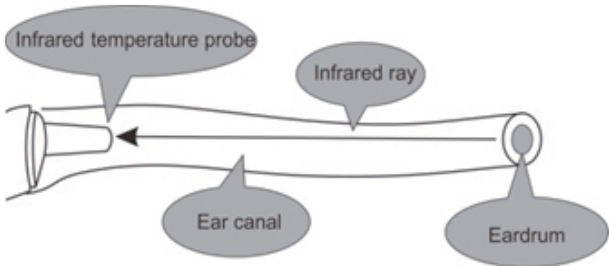


## 2) Structure

The thermometer consists of a shell,an LCD,a measure button,a beeper,an infrared temperature sensor,and a Microprocessor.

## 3) Operating principle

The infrared temperature sensor collects infrared energy emitted by the eardrum or the skin surface. After being focused by a lens,the energy is converted into a temperature reading by the thermopiles and measurement circuits.



## 4) Indications for use

The Dual-mode Infrared Thermometer is intended for the measurement of human body temperatures. The forehead mode is indicated for people of all ages and the eardrum mode is indicated for people above three months old.

## 5) Contraindications

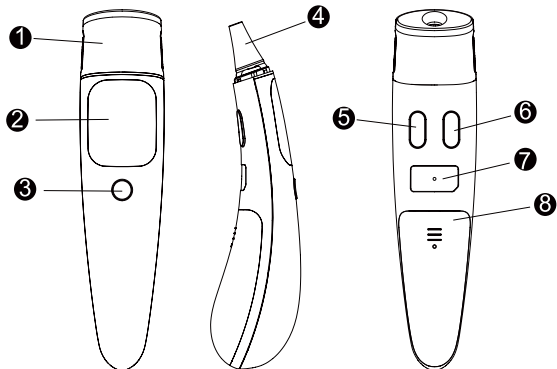
Do not use the thermometer if the ear is infected with otitis or suppuration.

## 8. Features

- Quick measurement,less than 1 second
- Accurate and reliable
- Easy operation,one button design,to measure both ear and forehead
- Multi-functional,can measure ear,forehead,room,milk,water and object temperature.
- 35 sets of memories,easy to recall
- Switching between mute and un-mute mode
- Fever alarm function,displayed in orange and red backlight.
- Switching between °C and °F
- Auto shut-down and power-saving



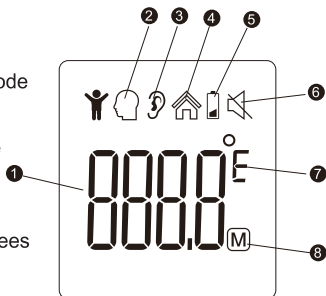
## 9. Product Structure



- ① Probe cover (take it off when measuring ear temperature)
- ② LCD display screen
- ③ 🕒 (Scan button)
- ④ Probe
- ⑤ MODE button
- ⑥ MEM button (Memory Recall)
- ⑦ Rating label
- ⑧ Battery cover

## 10. Display description

- 1. Temperature value
- 2. Forehead temperature mode
- 3. Ear temperature mode
- 4. Object temperature mode
- 5. Battery level
- 6. Mute / Un-mute icon
- 7. Fahrenheit / Celsius degrees
- 8. Memory recall




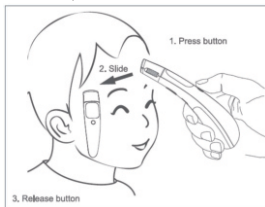


## 11. How to use your thermometer

When using the thermometer for the first time, please load the batteries.

### 1) Take your forehead temperature

Position the thermometer probe at the forehead, hold the  button, slide to temple and release the button, the beep is heard, you can now read the value.




**NOTE:** The forehead measurement is an indicative reading. The measured forehead temperature can fluctuate up to  $1^{\circ}\text{F}/0.5^{\circ}\text{C}$  from your actual body temperature. Please be aware of the factors that influence the accuracy as described in the section “Temperature taking tips” and “WARNINGS AND PRECAUTIONS”.

⚠ If the eyebrow area is covered with hair, sweat or dirt, please clean the area beforehand to improve the reading accuracy.

⚠ Always check if the lens is clean.

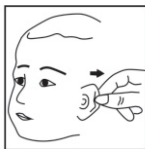
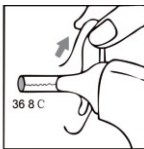
⚠ Always make sure the user and the thermometer will have been in the same room for at least 30 minutes prior to the measurement.

### 2) Take your ear temperature

**Take off the probe cover**, fit the probe snugly into the ear canal. Press and release the  button in 1 second, the beep is heard, you can now read the value.

⚠ Please make sure that the ear is clean, with no earwax or obstructions.

⚠ The right ear reading may differ from the reading taken at the left ear. Therefore, always take the temperature in the same ear.





⚠ Children under 1 year: Pull the ear straight back.

Children aged 1 year to adult: Pull the ear up and back.




⚠ Do not force the thermometer into the ear canal. Otherwise, the ear canal may get injured.

⚠ When taking the temperature on an adult, gently pull the ear up and back to make sure the ear canal is straight, so that the temperature probe can receive an infrared ray from the eardrum.

⚠ Be careful when taking temperature on a child, whose ear canal is small.

### 3) Take room/object temperature

Keep the thermometer about 1-3cm away from the object.

Press  button to power on, then press **MODE** button in the back to switch to room/object test mode, the mark  will show on the display. Then press  button to measure. You can begin next measurement when the °C / °F is flashing.



### 4) After a measurement

Once the reading has been completed, remove the thermometer away from the forehead/ear and observe temperature.

After each measurement, you can enter the recall mode and query earlier temperature readings.

⚠ Do not hold the thermometer for a long time, because it is sensitive to the ambient temperature.

⚠ After each measurement, clean the temperature probe with a soft cloth, and put the thermometer in a dry and well-ventilated place.

⚠ You should wait at least 10 seconds between each measurement.

⚠ It is dangerous to make a self-diagnosis or self-treatment based on the obtained measurement results. For such purposes, please consult a doctor.

### 5) Read your temperature

“T” Indicates a temperature reading, in forehead or ear mode.

1. If  $32^{\circ}\text{C} \leq T \leq 37.3^{\circ}\text{C}$  ( $89.6^{\circ}\text{F} \leq T \leq 99.2^{\circ}\text{F}$ ), the LCD backlight will be green, with one long beep.

2. If  $37.4^{\circ}\text{C} \leq T \leq 37.9^{\circ}\text{C}$  ( $99.3^{\circ}\text{F} \leq T \leq 100.3^{\circ}\text{F}$ ), the LCD backlight will be orange, with 3 short beeps, and the value in LCD flickers, which is a warning that you may have a light fever.

3. If  $38^{\circ}\text{C} \leq T \leq 42.9^{\circ}\text{C}$  ( $100.4^{\circ}\text{F} \leq T \leq 109.2^{\circ}\text{F}$ ), the LCD backlight will be red, with 5 short beeps, and the value in LCD flickers, which is a warning that you may have a high fever.



## 6) Switching between mute and un-mute

When the thermometer is turned on, keep long pressing the **MODE** button for 3 seconds, to switch from un-mute to mute.

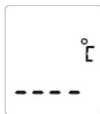


## 7) Checking 35 sets of memory data

When the thermometer is power on/off, press **MEM** button in the back to go to the memory mode, press this button again to check the 35 sets of memories one by one. If no value, it will display “—M”.

## 8) °C/°F conversion

When the thermometer is turned off, long press the **MEM** button for 5 seconds until the LCD shows as picture, then release the button and press again to switch °C / °F



## 9) Temperature compensation adjustment

When the thermometer is turn on, press both the **MEM** button and **MODE** button for 3 seconds to go to the temperature compensation mode. By pressing the **MEM** button to adjust the temperature from 0.0 to  $\pm 2.0(^{\circ}\text{C})$  / 0.0 to  $\pm 4.0(^{\circ}\text{F})$

Note: All the future temperature you are taking will be automatically added the value you are adjusted.



## 10) To turn off

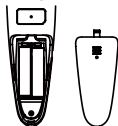
The unit will shut down automatically after 10 seconds of no use. Or you can keep pressing the  button for 6 seconds.


 Caution

1. All memory records will loss when uninstall or reinstall the battery.
2. All settings will come to default when uninstall the battery. If need adjust the settings, please power on and make the new settings.

## 11) Replace the battery.

Slide the battery cover off along the marked direction. Put two AAA batteries correctly into the compartment.



 Remove the batteries if the thermometer will not be used for more than two months.



## 12. Temperature taking tips

1) It is important to know each individual's normal temperature when they are well. This is the only way to accurately diagnose a fever. Record readings twice a day (early morning and late afternoon). Take the average of the two temperatures to calculate normal oral equivalent temperature. Always take the temperature in the same location, since the temperature readings may vary from different locations on the forehead.

2) A child's normal temperature can be as high as 99.9°F (37.7°C) or as low as 97.0°F (36.11°C). Please note that this unit reads 0.5°C (0.9°F) lower than a rectal digital thermometer.

3) External factors may influence ear temperatures, including when an individual has:

- been lying on one ear or the other
- had their ears covered
- been exposed to very hot or very cold temperatures, or
- been recently swimming or bathing

In these cases, remove the individual from the situation and wait 20 minutes prior to taking a temperature.

Use the untreated ear if prescription ear drops or other ear medications have been placed in the ear canal.

4) Holding the thermometer for too long in the hand before taking a measurement can cause the device to warm up. This means the measurement could be incorrect.

5) Patients and the thermometer should stay in steady-state room condition for at least 30 minutes.

6) Before placing the thermometer sensor onto the forehead, remove dirt, hair, or sweat from the forehead area. Wait 10 minutes after cleaning before taking measurement.

7) Use an alcohol swab to carefully clean the sensor and wait for 5 minutes before taking a measurement on another patient. Wiping the forehead with a warm or cool cloth may impact your reading. It is advised to wait 10 minutes before taking a reading.

8) In the following situations it is recommended that 3-5 temperatures in the same location be taken and the highest one taken as the reading:

- Newborn infants in the first 100 days.
- Children under three years of age with a compromised immune system and for whom the presence or absence of fever is critical.

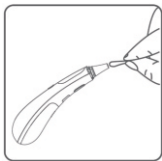


•When the user is learning how to use the thermometer for the first time until he/she has familiarized himself/herself with the instrument and obtains consistent readings.

### 13. Care and cleaning

Use an alcohol swab or cotton swab moistened with 70% alcohol to clean the thermometer casing and the measuring probe. After the alcohol has completely dried out, you can take a new measurement.







Ensure that no liquid enters the interior of the thermometer. Never use abrasive cleaning agents, thinners or benzene for cleaning and never immerse the instrument in water or other cleaning liquids. Take care not to scratch the surface of the LCD screen.



### 14. Error and Troubleshooting

Symptom	Possible Cause	Description & Solution
Failed to power on.	The battery level is too low.	Replace with a new battery
	Polarities of the batteries are reversed.	Ensure the batteries are in the right position
	The thermometer is damaged	Contact dealer
The reading is too low	The lens of the probe is dirty.	Clean the lens with a cotton swab.
	The distance of the item and target is too far	Keep the thermometer in contact with forehead, or put the probe into the Ear Canal.
	You have just come from a cold environment	Stay in a warmer room for at least 30 minutes before taking a reading
The reading is too high	You have just come from a hot environment.	Stay in an adequately cool room for at least 30 minutes before taking a reading



Symptom	Possible Cause	Description & Solution
	The ambient temperature is not in range.	3 short beeps and red backlit for 3 seconds. Take a measurement under an ambient temperature between 10°C (50.0°F) and 40°C (104°F).
	Memory Error	3 short beeps and red backlit for 3 seconds. Contact dealer.
	In ear or forehead mode, $T > 42.9^{\circ}\text{C}$ (109.2°F)	3 short beeps and red backlit for 3 seconds.
	In ear or forehead mode, $T < 32^{\circ}\text{C}$ (89.6°F)	3 short beeps and red backlit for 3 seconds.
	$2.7\text{V} \pm 3\% \leq \text{power voltage} \leq 2.8\text{V} \pm 3\%$	The battery level is low, it suggests you to replace the battery, but you can continue to use it.
	The power voltage is lower than $2.8\text{V} \pm 3\%$ .	It will turn off automatically after 30 seconds. Please replace with a new battery.











## 15. Specifications:

Product name	Dual-mode infrared thermometer	
Power supply	DC1.5V×2	
Measurement range	Ear & Forehead: 32.0°C–42.9°C (89.6°F–109.2°F)	
	Object: 0°C–100°C (32 °F – 212 °F)	
Accuracy (Laboratory)	Ear & Forehead mode	$\pm 0.2^{\circ}\text{C} / \pm 0.4^{\circ}\text{F}$
	Object mode	$\pm 1.0^{\circ}\text{C} / 1.8^{\circ}\text{F}$
Display resolution	0.1°C/°F	
Automatic shutdown	10s±1s	
Memory	35 groups of measured temperature.	
Battery	2*AAA, can be used for more than 3000 times	



Operational conditions	Temperature: 10°C-40°C (50°F-104°F) / Humidity: 15-95%RH,non -condensing Atmospheric pressure: 86-106 kPa
Weight & Dimension	72.6g (without battery),178×43×46mm

## 16. Symbols:

	Type BF applied part.
	Attention must be paid.
	The action is prohibited.
	Information about the manufacturer.
	Date of manufacture.
	Consult the instructions for use.
	This product complies with the MDD93/42/EEC requirements.
	Waste electrical materials should be sent to a dedicated collection point for recycling.
IPX0	Degree of protection against the Ingress of water.
	A personal injury or damage to the thermometer may occur if the thermometer is not used correctly.
	Inaccurate reading or damage to the thermometer may occur if the thermometer is not used correctly.



## 17.EMC information

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

The infrared thermometer is intended for using in the electromagnetic environment specified below. The customer or the user of the infrared thermometer should assure that it is used in such an environment.

<b>Emissions test</b>	<b>Compliance</b>	<b>Electromagnetic environment-guidance</b>
RF emissions CISPR 11	Group 1	The infrared thermometer uses RF energy only for its internal function. Therefore, its
RF emissions CISPR 11	Class B	RF emissions are very low and are not likely to cause and interference in nearby electronic equipment.
Harmonic emissions IEC 61000-3-2	N/A	The infrared thermometer is suitable for use in all establishments other than
Voltage fluctuations /flicker emissions IEC 61000-3-3	N/A	domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.



## Guidance and manufacturer's declaration-electromagnetic immunity

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


Immunity test	IEC60601 test level	Compliance level	Electromagnetic environment -guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±2,±4,±6,±8KV for Contact discharge ±2,±4,±8,±15KV for air discharge	±2,±4,±6,±8KV for Contact discharge ±2,±4,±8,±15KV for air discharge	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%
Electrical fast transient/burst IEC 61000-4-4	±2 kV for a.c. power lines ±1 kV for d.c. power lines	N/A	Mains power quality should be that of atypical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV line(s) to line(s) ±2 kV line(s) to earth	N/A	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations in power supply input lines IEC 61000-4-11	<5% <b>UT</b> (>95 dip in <b>UT</b> ) for 0.5 cycle 40% <b>UT</b> (60% dip in <b>UT</b> ) for 5 cycles 70% <b>UT</b> (30% dip in <b>UT</b> ) for 25 cycles  <5% <b>UT</b> (>95% dip in <b>UT</b> for 5s	N/A	Mains power quality should be that of atypical commercial or hospital environment. If the user of the infrared thermometer requires continued operation during power mains interruptions, it is recommended that the infrared thermometer be powered from an uninterrupted power supply or a battery
Power frequency (50/60Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in atypical 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 infrared thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the infrared thermometer should assure that it is used in such an environment.

<b>Immunity test</b>	<b>IEC 60601 test level</b>	<b>Compliance level</b>	<b>Electromagnetic environment-guidance</b>
Conducted RF IEC 61000-4-6	3Vrms 150kHz to 80MHz	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the infrared thermometer including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=1.2 P$
Radiated RF IEC 61000-4-3	3V/m 80kHz to 2.5GHz	3V/m	$d=1.2 P$ 80MHz to 800MHz $d=2.3 P$ 800MHz to 2.5MHz Here 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 meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol:  



NOTE 1 At 90MHz and 800MHz,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 thermometer is used exceeds the applicable RF compliance level above,the thermometer should be observed to verify normal operation. If abnormal performance is observed,additional measures may be necessary,such as reorienting or relocating the thermometer.

b

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

### **Recommended separation distances between portable and mobile RF communications equipment and the infrared thermometer**

The infrared thermometer is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled.

The customer or the user of the infrared thermometer can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the infrared thermometer as recommended below,according to the maximum output power of the communications equipment.

<b>Rated maximum output power of transmitter W</b>	<b>Separation distance according to frequency of transmitter m</b>		
Rated maximum output power of transmitter W	150kHz to 80MHz d =1.2 P	80MHz to 800MHz d =1.2 P	800MHz to 2.5GHz d =2.3 P



0.01	0.01	0.12	0.23
0.1	0.1	0.38	0.73
1	1	1.2	2.3
10	10	3.8	7.3
100	100	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance  $d$  in meters (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 80MHz and 800MHz, 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.

## 18. Warranty and After-Sale Service

The device is under warranty for 12 months from the date of purchase.

The batteries, the packaging, and any damage caused by improper use are not covered by the warranty.

Excluding the following user-caused failures:

1. Failure resulting from unauthorized disassembly and modification.
2. Failure resulting from an unexpected dropping during application or transportation.
3. Failure resulting from not following the instructions in the operating manual.



### WARRANTY CARD

Model No.:..... Lot No.:.....  
Invoice No.:..... Date of Purchase.....  
Purchased By:..... Contact No.:.....  
Address.....  
Dealer's Name.....  
Dealer's Sign & Stamp

\* Terms & Conditions apply

Passim Lifesciences Ltd. warrants this units free of any defect in material, workmanship and operation, under normal use, for a period of one year from the date of purchase. If any part become defective during the warranty period Passim Lifesciences Ltd. will repair or replace (if not repairable) the same, free of cost. This shall not apply to any parts that are considered as expandible or deteriorable in the course of normal use. Passim Lifesciences Ltd. shall be relieved of any liability and warranty shall cease to apply if :

- This is not used in accordance with the instructions in the operational manual.
- It is used with any equipment not complying with the specification of this unit.
- It is not regularly maintained.
- The unit is disassembled, repaired or operated by person not authorized by Passim Lifesciences Ltd.
- Damage caused due to negligency.
- The unit is operated in corrosive materials or in the harmful atmosphere.
- The warranty card is not filled completely and produced at the time of warranty claim.

Symbols



Medical Device



Refer Instructions Manual



Lot No.



Keep Away From Sunlight



No Trash



Manufactured By



Serial NO.



Manufacturing Date



Warning/Caution



Manufactured by :

Passim Lifesciences Ltd.

Plot No. 45, Ind. Area, Phase-II, Panchkula - 134113, Haryana-INDIA

Mfg. Lic. No. : MFG/MD/2022/000615

For any complaint/Suggestion please contact :

Customercare Number : 1800 309, Timing : 9am - 7pm, Mon. - Sat.

Email ID : customercare@drodin.in, Website : www.drodin.in