



Non-Contact Thermometer

Model No. OIR003

INSTRUCTION MANUAL



Please read instruction manual before use

Intended Use

The non-contact infrared thermometer is intended for the measurement of human body temperature at the forehead and ear. It provides a quick, safe, and hygienic way to obtain temperature readings without direct contact with the skin. The device may also be used to measure the surface temperature of objects or ambient temperature, as specified in the user manual. It is designed for home, clinical, and hospital use as a screening tool and should not replace professional medical diagnosis or treatment.

Package Contents

S. No.	Name	Quantity
1	Non Contact thermometer	1
2	Pouch	1
3	Battery (AAA, Optional)	2
4	Instruction Manual	1

How to use the thermometer

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.

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.

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.

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.

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".

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.

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.

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.

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.

midpoint

8) This thermometer consists of high quality precision parts. 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.

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 show that this normal range also varies by site. Therefore, readings from different sites 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

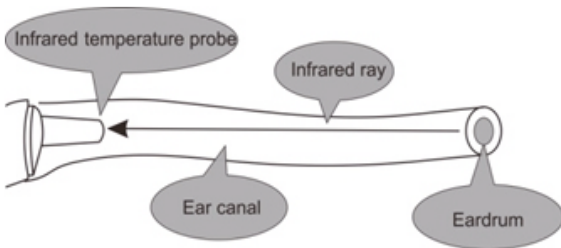
	Measurements
Forehead temperature	36.1°C to 37.5°C (97°F to 99.5°F)
Ear temperature	35.8°C to 38°C (96.4°F to 100.4°F)
Oral temperature	35.5°C to 37.5°C (95.9°F to 99.5°F)
Rectal temperature	36.6°C to 38°C (97.9°F to 100.4°F)
Axillary temperature	34.7°C to 37.3°C (94.5°F to 99.1°F)

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.

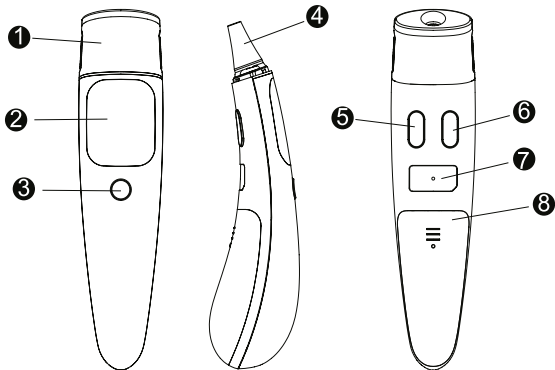
5) Contraindications

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

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

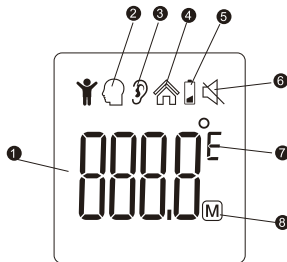
Product Structure



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

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



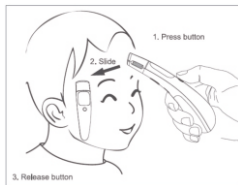
How to use your thermometer

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°F/0.5°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

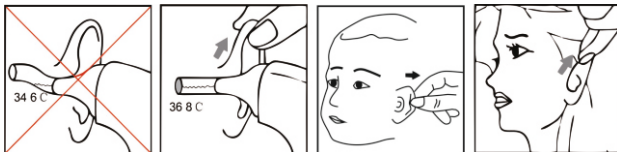
Take off the probe cover, fit the probe snugly into the ear canal.

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".

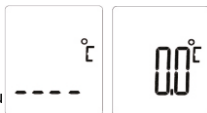
8) °C/°F conversion

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 temperatu



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.

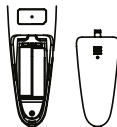
Caution

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.

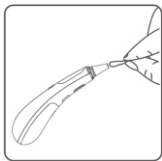
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13. Care and cleaning





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.



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
	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 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 cold environment	Stay in an adequately cool room for at least 30 minutes before taking a reading
	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 °F) and 40 °C (104 °F)
	Memory Error	3 short beeps and red backlit for 3 seconds. Contact dealer.
	In ear or forehead mode, $T > 42.9\text{ }^{\circ}\text{C}$ (109.2°F)	3 short beeps and red backlit for 3 seconds.
	In ear or forehead mode, $T < 32\text{ }^{\circ}\text{C}$ (89.6°F)	3 short beeps and red backlit for 3 seconds.

Symptom	Possible Cause	Description & Solution
	$2.7V \pm 3\% \leq$ power voltage $\leq 2.8V \pm 3\%$	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 $2.8V \pm 3\%$.	It will turn off automatically after 30 seconds. Please replace with a new battery.

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

WARRANTY CARD

Model No.:..... Lot No.:.....

Invoice No.:..... Date of Purchase.....

Purchased By:..... Contact No.:.....

Address.....

Dealer's Name.....

Register your product
to claim warranty



Dealer's Sign & Stamp

* Terms & Conditions apply

Warranty

Passim Lifesciences Ltd. warrants this unit against defects in materials and workmanship for **6 Months** from the date of purchase. During the warranty period, any defective parts will be repaired or replaced free of charge.

Warranty is void if

The device is misused or not maintained per this manual.

Unauthorized repairs or modifications are made.

Operated in corrosive or harmful environments.

The warranty card is not fully completed and presented upon claim.

Symbols



Medical Device



Refer Instructions Manual



Warning/Caution



No Trash



Manufactured By



Must not be exposed in rain
or excessive moisture



Lot No.



Keep Away From Sunlight



Manufacturing Date



Serial No.



Do not use
If Package damaged

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 :
Customer care No.: 1800 309 3009
Email ID : customercare@droidin.in, Website : www.droidin.in

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