

LANAFORM

# IRT-200

INFRARED THERMOMETER



# Our guarantee of reliability for your health

Fever can be an impressive phenomenon, but one which in the majority of cases reveals a **healthy immune function**. In fact, it's the body's normal response to defending itself against a **viral or bacterial infection**.

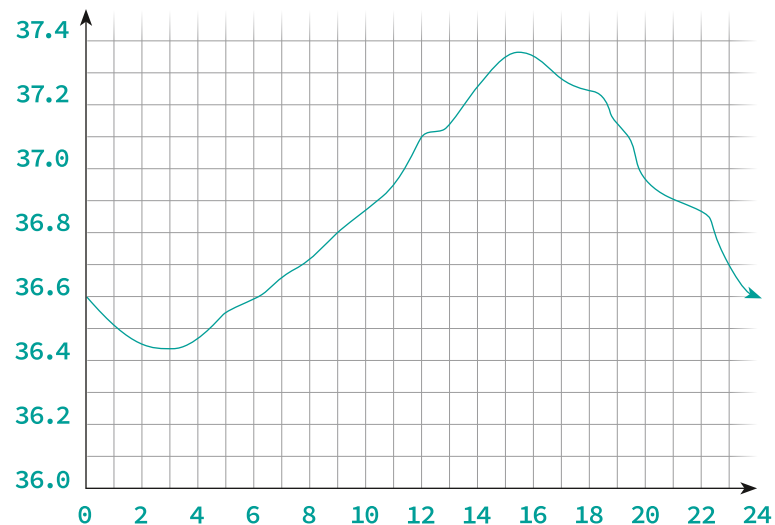
Fever episodes in many cases are **benign** and disappear in less than three days. Nonetheless you should keep an eye on this phenomenon if it persists for several days.

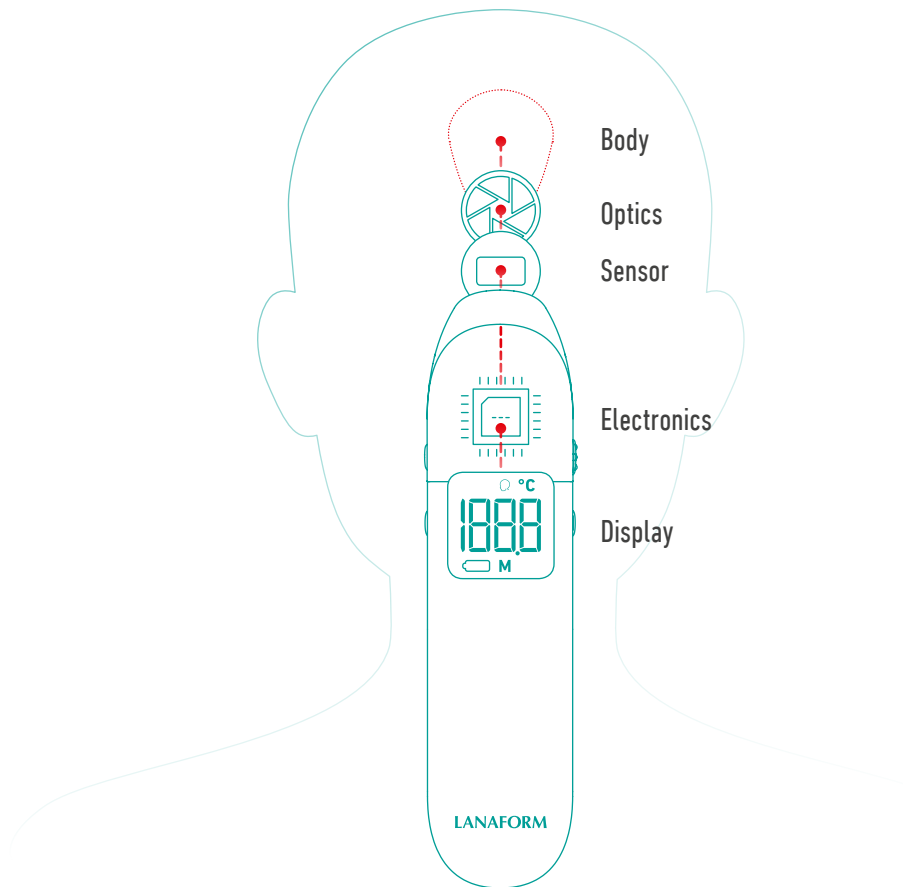
## Did you know?

Body temperature varies, depending on the **time of day**. It is also influenced by external factors.

The **best time** to take your temperature is in the morning and at the end of the day.

However, do not take your temperature straight after meals, after exercising or after a bath as these activities cause **changes to body temperature**. Wait for 20 minutes before starting.





## How does an infrared thermometer work?

Infrared thermometers determine the temperature of an individual or object **without direct contact** being necessary from radiation emitted by this person (forehead or eardrum) or object.

In fact, each body emits **infrared light radiation**, the intensity of which is **in proportion** to its temperature and can therefore be used for the thermal measuring process.

An infrared thermal thermometer captures this radiation using an optical lens and measures the light energy electronically. This measurement is then converted mathematically into a **temperature value** which the thermometer displays.

# What is the difference between a digital thermometer and an infrared thermometer?



While the two types of thermometers measure both **children's** as well as **adults'** temperatures, the method of taking temperatures is different for the two thermometers. The digital thermometer is used to measure **oral, rectal or even axillary** (underarm) temperatures, whereas the infrared thermometer takes them in the **eardrum or on the forehead**.

While many studies confirm that taking a temperature rectally constitutes the **benchmark**, it can, on the other hand, be very **unpleasant** for children and most parents may feel **uneasy** about using this method. This is why the infrared thermometer may be used **in preference**.

In addition to **greater accuracy** due to its infrared technology, the infrared thermometer has the incomparable advantage of measuring temperature **remotely**. This is a great help when taking a sleeping child's temperature, for example.

It is **non-invasive** and means that the temperature can be taken **instantly** and as **comfortably** as possible.

The infrared thermometer is suitable for **all ages**, except the infrared ear thermometer, which is not recommended for babies under 3 months.



## Accuracy and area and measurement process

The definition of what is a **normal temperature** and what is a **fever** changes according to on the **place** in which it is taken. Due to the constitution of the human body, a temperature taken on the **forehead** will not be as accurate as a temperature taken in the **rectum** (which is an internal cavity). You could potentially **see a difference of - 0.5°C** with the IRT-200 thermometer compared with a rectal measurement.



## Remove any doubt about reading the temperature using the child mode

The definition of fever varies according to **age**. In fact, the **new-born and infants** have a normal body temperature that is **higher** than that of **adults**. However, their **external temperature** is **lower** than for adults.

Many parents are not aware of these variations in temperature.

With the **child mode**, the IRT-200 algorithm offsets these differences in temperature to **interpret** the measured temperature for you and **reassure** you that you have correctly understood the result.



# 3-in-1 thermometer, a function for every need

With the IRT-200 infrared thermometer, you will **instantly** get an accurate measurement of body temperature and objects.



## Ear temperature measurement

In **ear mode**, by removing the cap and placing the thermometer in your ear, you will be accurately measuring the temperature of members of your family **from the age of 3 months**.



## Forehead temperature measurement

In **forehead mode**, by placing the thermometer at a distance of **1 to 3 centimetres** from your forehead, you will be measuring temperature by avoiding **any physical contact** and preventing any microbes from spreading. This mode is suitable for the whole family with no restriction on age.



## Object temperature measurement

In **object mode**, you can check in just one second that your child's food, milk or bath water is at the right temperature to **prevent any risk of burning**.

## Very easy to use

The **memory function**, which records the last 20 measurements, means that you can control the change in temperature in time.

### Results are quick and easy to read using a colour coded display

The **sound and visual fever alarm** make it easier to read the results. Temperatures are measured in **1 second** and displayed **instantly** on the colour-coded screen.

The **backlit screen** makes it easier to use at night when your child is sleeping and the **silent mode** is perfect for taking your child's or baby's temperature without having to wake them up.

Your attention remains focused on your child since it switches off automatically after ten seconds or so of inactivity.





With its many functionalities that optimise the experience of taking a temperature, the IRT-200 3-in-1 infrared thermometer has been shown to be the complete thermometer that will find the perfect place in your medicine cabinet.



# Features



Infrared forehead, ear and object thermometer (milk, food, bath)



Instant measurement in 1 second



Child/adult mode








Memory function: for up to 20 measurements



Fever sound and visual alarm

## Explore the LANAFORM thermometer range

	Model	Technology	Type of measurement	Unit	Backlit display screen	Fever alarms	Switches off automatically	Memory	Measuring time	Measuring distance	Batteries
	IRT-100	Infrared	Forehead	°C / °F	○	Sound	●	32	1"	1,5-5 cm	2× AAA ● supplied
	IRT-200	Infrared	Forehead, ear, object	°C / °F	●	Sound and visual	●	20	1"	1-3 cm	2× AAA ● supplied
	IR Thermometer	Infrared	Forehead, object	°C / °F	●	Sound and visual	●	20	1"	1 cm	2× AAA ○ not supplied
	DT-100	Probe	Oral, under the arm, rectal	°C / °F	○	Sound	●	1	10"	n.a.	1× LR41 ● supplied
	Filoo	Probe	Oral	°C / °F	○	Sound	●	1	180"	n.a.	1× CR2032 ● supplied



Master Box Dimensions  
51.0 × 30.0 × 35.0 cm



Master Box Weight  
18.50 kg



Colour Boxes / Master Box  
100 (2 × 50)



Colour Box Dimensions  
5.5 × 16.0 × 5.5 cm



Colour Box Weight  
0.16 kg



Batteries  
2× AAA supplied



**LANAFORM**

Home Health Experience

Rue de la Légende 55  
4141 Louveigné, Belgium

Tel. : +32 (0)4 360 92 91

Fax : +32 (0)4 360 97 23

[www.lanaform.com](http://www.lanaform.com)  
[info@lanaform.com](mailto:info@lanaform.com)

