CORETERM

Contactless infrared forehead thermometer

Medical grade infrared frontal body measuring instrument

SUPER INSTRUMENT LTD

Accuracy. Reliability. Speciality

ACCURATE TEM
MEASUREME

精准测

进口优
精准

OUTLINE

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01

Product Background

Product Background

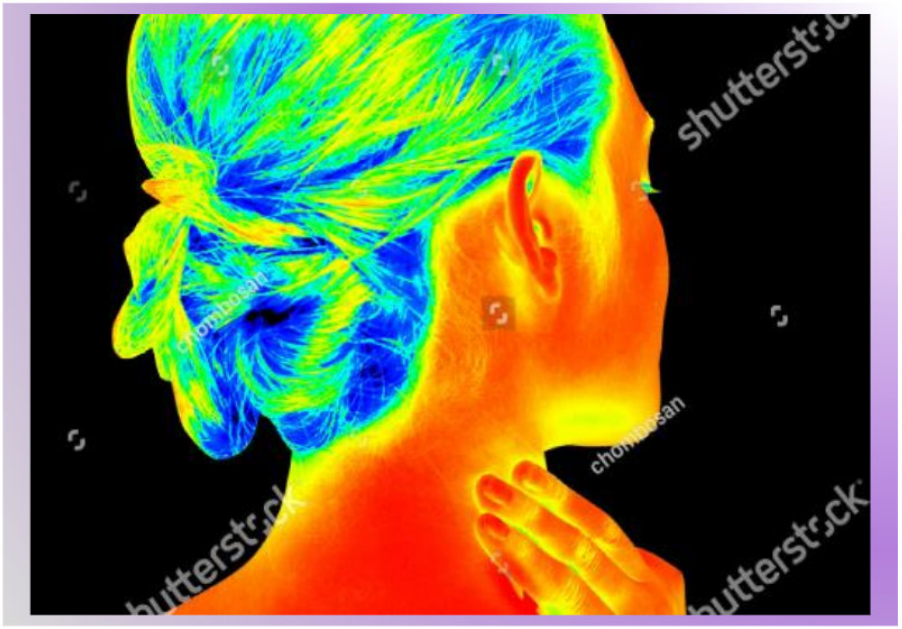
Infrared thermometer is a thermometer based on the principle of radiation to measure human body temperature. The infrared sensor used only absorbs the infrared radiation radiated from the human body without emitting any rays to the outside world and senses the human body temperature via the contactless method.

Working Principle

The human body's infrared thermal radiation is focused on the detector, which converts the radiated power into an electrical signal. This signal can be displayed in units of temperature after being compensated by the ambient temperature.

Advantages

High accuracy Real-time Fast



Product Background

Infrared thermometer

The infrared thermometer inputs the error calculation formula of the temperature difference into the central micro-processing system, detects the change of the ambient temperature, and corrects its reading value at any time, to ensure that the infrared thermometer measurement is more accurate. Infrared thermometers are mainly divided into contact and contactless types.

Categories of infrared thermometer

Contact infrared thermometer: Taking the ear thermometer as an example, it is mainly composed of shell, temperature probe, temperature sensor, PCB , LCD, buzzer and battery

Non-contact infrared thermometer: Taking the frontal temperature gun as an example, it is mainly composed of infrared probe, main circuit board, LCD display and shell.

02

Product Features

- High accuracy
- Fast
- Safe
- Non-contact

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Product Features

Forehead thermometer

Based on the principle of infrared radiation, the non-contact design is relatively safe, accurate and thus suitable for the elderly, children, hospital and family.

Forehead thermometer Introduction

Temperature
32℃～42.5℃

Net Weight
136g (Without battery)

Size
L100xW46xH160mm

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Forehead thermometer Introduction

Remind function

32 sets of memory data

Conveniently view comparative data and keep an eye on body temperature changes

Forehead thermometer Features

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High accuracy

High quality probe with high-precision infrared sensor, Automatic measurement, accurate calculation, and real body temperature reflection

Fast

The measurement can be easily completed in 0.5-1 second

Safe

The instrument only absorbs the weak infrared measurements emitted by the human body, and the instrument itself does not emit any rays, which is safe and healthy.

Non-contact

The non-contact design to eliminate cross-infection.

High accuracy

ACCURATE TEMPERATURE MEASUREMENT

High-precision infrared sensing, automatic measurement, accurate calculation, and real body temperature reflection

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SECOND-SPEED TEMPERATURE MEASUREMENT REQUIRES NO EXTRA TIME.

The measurement can be easily completed in 0.5-1 second

Accuracy. Reliability. Speciality

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NO RADIATION
SAFETY PROTECTION
The instrument only absorbs the weak infrared measurements emitted by the human body, and the instrument itself does not emit any rays, which is safe and healthy.

Contactless design

NON-CONTACT

Non-contact design to eliminate cross-infection, which is safer.

03

Product Technical Parameters

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Product Technical Parameters

Display resolution 0.1℃

Test error ± 0.3℃

Measurement distance：5-15cm

Operating environmental temperature：10-4

Operating environment humidity：≤80%

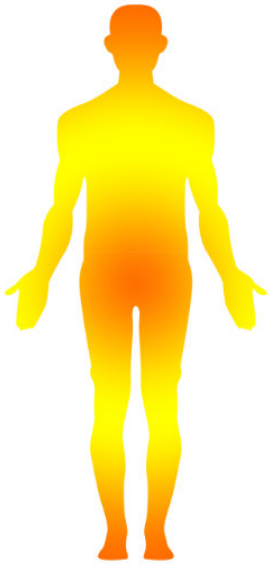
Power：DC9V battery

Auto shut off：10 seconds

Size 100x46x160mm(Lx WxH)

Weight 125g(Without battery)

Product Technical Parameters



Comparison of different temperature measurement methods

The body temperature measured by different temperature measurement methods will be different from the specific temperature. The specific temperature differences are shown in the table below.

Forehead	Temperature 35.8℃ ~ 37.8℃
Cochlea	Temperature 35.8℃ ~ 38℃
Oral	Temperature 35.5℃ ~ 37.5℃
Oxter	Temperature 34.7℃ ~ 37.3℃
Anus	Temperature 36.6℃ ~ 38℃

Product Technical Parameters

A professional temperature measurement instrument

01

Temperature within 32℃~42.5℃

The product displays temperature when the temperature is measured within 32℃~42.5℃

02

Temperature>42.5℃

The product will display HI when the temperature excess 42.5℃

03

Temperature<32℃

The product will display LO when the temperature is lower than 32℃

04

Product Instructions

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Product quick use guide

- The thermometer is in temperature measurement mode. Press and hold the power button to measure continuously. If you do not need a long measurement, please release it after pressing the power-on button.

- The counter "LOG" is behind the lower left corner of the screen. The count value is cycled from 1 to 32. The counter will increase by 1 each time a valid measurement is performed, and then return to 1 after 32. If the measurement result is "L0" or "HI", it is called invalid measurement, the measurement result is not entered into the memory, and the counter is not incremented.

- Historical data view. After each test, the instrument will automatically record the test data, up to 32 historical measurement data.To view the data, press "M" key and then press "+" or "-". Press "-" to display the last temperature measured. Press "+" is the farthest record.Press "+" or "-" again to loop.

Button Instructions

01

Single-press “M” key for historical data query, press ″ + ″ to view the next group of temperature readings, and press ″ - ″ to view the previous group of temperature readings. A total of 32 sets of historical data can be viewed.

02

If the measurement result is "L0" or "HI", it is called invalid measurement, the measurement result is not entered into the memory, and the counter is not incremented.

03

Press the backlight button to turn the backlight on and off

04

Press the horn button to turn sound on and off

Qualification

Authorized certification

Quality assurance

The product has national medical registration license and passed the CE/RoHS certification

THANKS

For Your Attention

C O R E T E R M

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