

System Infrared Thermometer Box for body temperature measuring



Product Introduction

The infrared temperature measuring device is the human body surface temperature screening instrument. The test results reflect the real-time temperature evaluation of objects or people in a specific environment. It is mobile, portable and light-weight, which can attach anywhere indoor or outdoor facilities.



* LED panel show the value of temperature, high and low temperature up and down line can be set



* Non-touch temperature measuring far away 1-50cm distance, the fastest detection time is less than 0.5 seconds



* Imported from Belgium, Melexis core, medical high precision sensor IR temperature module



* Network output interface can be customized to provide gateway, face recognition, ID card reading information output and secondary development.



* With low temperature weather compensation function, up and down adjustment of 2 °C, low temperature below zero can work normally



* Real-time voice broadcast temperature is abnormal, high temperature sound and light alarm



Temperature measurement module

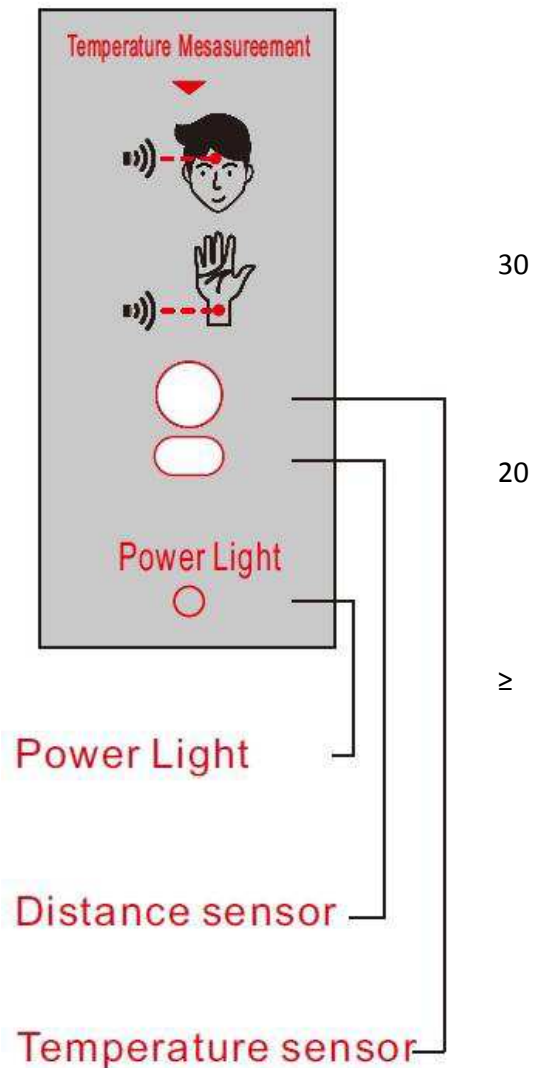
Temperature sensor:

Real time infrared thermo sensor to detect temperature, ready in seconds after power on.

Distance sensor:

The distance sensor starts working when a person or object is in cm to it. If the temperature of person or object detected is $\geq 35.5\text{ }^{\circ}\text{C}$, the voice "Normal temperature" is triggered; If it's lower than $35.5\text{ }^{\circ}\text{C}$, or higher than the set value with alarm, the voice "Please check again" is triggered. When the ambient temperature is lower than $15\text{ }^{\circ}\text{C}$, If the temperature of person or object detected is $34.5\text{ }^{\circ}\text{C}$, the voice "Normal temperature" is triggered; If it's lower than $34.5\text{ }^{\circ}\text{C}$, or higher than the set value with alarm, the voice "Please check again" is triggered.

Special attention: the distance sensor shall not be blocked, otherwise it will repeat the voice broadcast.



Instruction of temperature measurement

1. Power on and wait for 30 seconds, keep nothing in front of the temperature sensor.
2. Normal ambient temperature is $0\text{ }^{\circ}\text{C}$ - $30\text{ }^{\circ}\text{C}$. When using it at $-10\text{ }^{\circ}\text{C}$, you have to decrease the environment temperature compensation, $5\text{ }^{\circ}\text{C}$ per time, until the result difference between it and the forehead thermometer is less than $\pm 0.3\text{ }^{\circ}\text{C}$. In case the results of many persons are low, it can also be calibrated by this method. When it is used in an environment more than $30\text{ }^{\circ}\text{C}$, it is necessary to customize the sun protection and anti high temperature switch.
3. Measurement method: Measure forehead or wrist surface
4. Forehead temperature and wrist surface temperature can be measured without adjusting settings.
5. Measurement area: the center of forehead or the wrist covered by sleeve.
6. Standard measurement distance: 1cm-10cm. When measuring at a distance of 10-30cm, it is necessary to adjust the environment temperature compensation, $5\text{ }^{\circ}\text{C}$ per time, until the result difference between it and the forehead thermometer is less than $\pm 0.3\text{ }^{\circ}\text{C}$.
7. Measurement time: 0.5 seconds. After the measurement, please leave quickly. Otherwise the measurement will be repeated.
8. During the temperature measurement, influenced by the measurement speed, the temperature might suddenly fluctuate up and down. In this case, please measure the body temperature 3-5 times continuously, and take the average value as the final measurement result.
9. The instrument automatically detects the temperature of the object in 20cm in front of it. After measuring the temperature, we have to move our hand or forehead away. If we keep close to the sensor for long

time, it will stop working as a protection.

Basic parameters

Shipping weight: about 1kg

Product weight: 0.6kg

Power consumption: less than 8W

Working temperature: -10 ~ 40 °C

Operating humidity: 95%, non-condensing

External power supply: AC 100 ~ 240V, 50 / 60Hz

Working voltage: 12V

Temperature measurement speed: less than 1 second

Temperature measurement accuracy: ± 0.3,

Temperature measurement distance: 1-20CM

Product size: 166 * 115 * 34mm (excluding bracket and power adapter)

Software for data remote control option:

Door ID	FR number	BA number	Number of	Em area	Body	Alarm time
2	5	6	8	01 00 00...	37.22	20200227 1...

Server IP : 192.168.0.189 Server Port : 12345 Num of Door connected : 0 Run time:0Day0Hour0Min12Sec

<https://www.youtube.com/watch?v=pqr-7eDkB68>

AT310 thermometer box
reference on a rack

<https://www.youtube.com/watch?v=z30s8daQ4Tk>

AT310 thermometer box
reference on a bus

<https://www.youtube.com/watch?v=3AHSrdLNOv0>

AT310 thermometer box
reference on a checkin point of a company

<https://www.youtube.com/watch?v=yc0g50W8Afg>

AT310 thermometer box
reference installed in a walk through door

<https://www.youtube.com/watch?v= QrblvLZMWc>

AT310 thermometer box
reference installed in outdoor entrance of an industrial park