

Close Range Temperature Measuring Integrated Machine

Non-contact

Medical level

Dual sensor



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Close range temperature measuring integrated machine

1. Product introduction

The close-range temperature measuring integrated machine uses medical-grade high-precision infrared temperature measurement sensors to detect the body temperature of the human body by measuring human palm, wrist, or forehead. The device has built-in dual sensors for distance and temperature. It uses a non-contact temperature measurement method. Through the cross-temperature algorithm of the distance sensor and the temperature sensor, the body temperature can be detected without touching the device.

The equipment has high accuracy, the temperature measurement error is less than 0.2°C , and the single temperature testing speed is less than 0.5 second. It is very suitable for rapid temperature measurement for crowded areas or places without security or medical staff to hold the temperature gun. Effectively improve the temperature measurement efficiency, increase the passage rate, reduce the number of medical personnel, reduce personnel cost, etc., compare with the temperature testing gun has a wider applicability and application advantages.

The integrated device can be used as a stand-alone device, or as a supporting device for face recognition access control, access gate, security door, etc. The device uses DC12V power supply and RS485 interface output, which can be easily accessed to various access control devices, pass the testing data to various access control devices. In addition, the close-range integrated device can also be equipped with various intelligent terminals, upload the temperature testing data to the cloud platform (or other software platform) through the network, and record all data, which is convenient for subsequent checking.





(Speical note:Product already applied related patents, counterfeiting not allowed.)

2. Product function features

Product combine by two pats, temperature detecting module and LED screen.

(1)

Close range temperature measuring integrated machine use dual sensors , laser distance distance sensor + infrared temperature detecting sensor detects the temperature of the human body through the cross temperature measurement algorithm of temperature and distance.



Distance sensor:Laser distance sensor, accurate judge the distance of palm, raise detection accuracy and efficiency.

Temperature sensor:High accurate temperature sensor, Combined with distance data for cross analysis, the proprietary temperature measurement algorithm, through Palm temperature accurate conversion of human body temperature

(2)

Testing distance is around 2-8CM, no need contact the machine, support palm, wrist or other part of human body for testing.



(3)

The device single temperature measuring speed is less than 0.5 seconds.

(4)

The buzzer will beep after each temperature measurement.

(5)

The temperature measurement resolution of the equipment is $0.01\text{ }^{\circ}\text{C}$, and the temperature measurement error is $\pm 0.2\text{ }^{\circ}\text{C}$.

(6)

The default alarm temperature of the device is $37.3\text{ }^{\circ}\text{C}$ (equal $99.14\text{ }^{\circ}\text{F}$), if the detected temperature exceeds this temperature, the device will emit an alarm "Didi ..." for 5 seconds.

(7)

The equipment adopts double rotating brackets, supports multi-angle adjustment, and the installation method can be wall-mounted, placed on the table, or fixed to the channel gate and security gate, which is convenient and flexible, and is suitable for various scenarios.



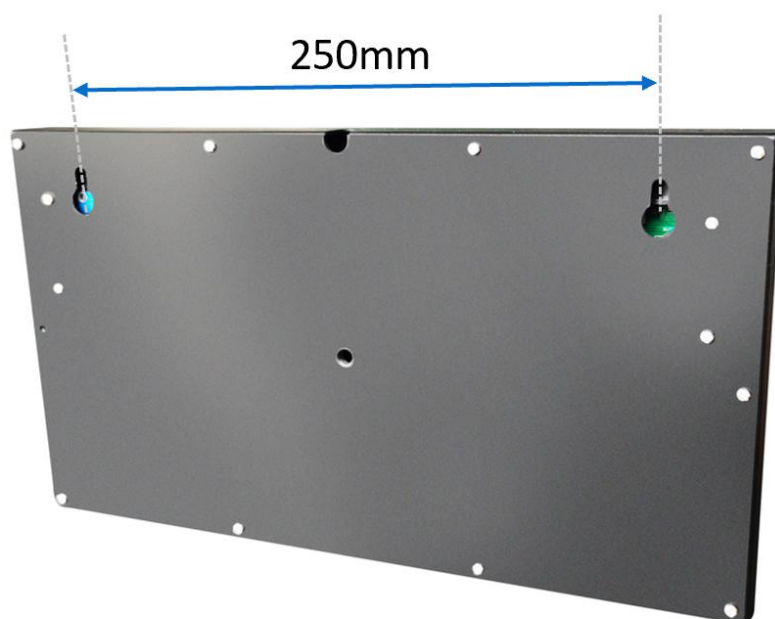
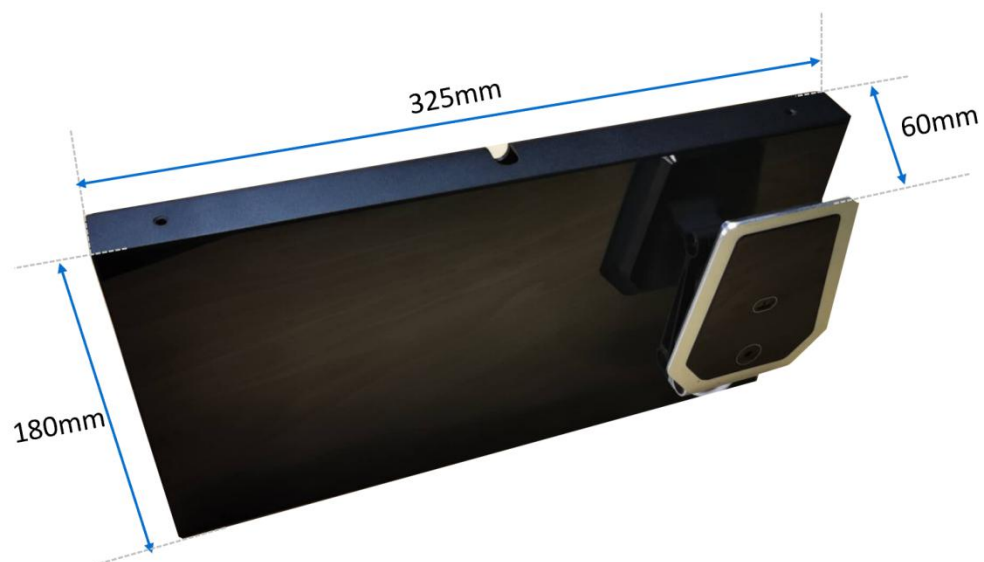
Angle adjusting

Height adjusting

3. Application comparison

	Close range temperature measuring integrated machine  ✓ 人员远距离看管，避免交叉感染 ✓ 减少人工成本投入 ✓ 通行效率高 ● Personnel are supervised from a distance to avoid cross infection. ● Reduce labor cost. ● Passing efficiency.	Forehead thermometer  ✗ 人员近距离接触，容易交叉感染 ✗ 人工投入成本大 ✗ 通行效率低 ● Close contact with personnel, easy to have cross infection. ● Large labor cost. ● Passing inefficiency.
Use method	★ Can be fixed on desktop, wall, passage gate, security door, etc., reach out to measure temperature	only rely on human hand temperature measurement
temperature sensor	★ Medical level	Medical level(some genuine)
Measurement error	★ $\pm 0.2^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$ (some genuine)
Testing distance	★ 2-8cm	1-3cm
Testing speed	★ Less than 0.5 second	from 1-3 second
Operating way	★ No need assistance	Need to rely on other people to hold and align the measured person's head and other parts, occupying human resources
Efficiency	★ high efficiency	low efficiency
Abnormal alarm	★ Yes, support automatic alarm	Need human observe

4. Specification



Item	Note
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Testing way	Single-point temperature measurement
Distance detection	Laser
Testing speed	0.5-0.8 second
Max testing view angle	5°
Temperature measurement resolution	0.02°C
Accuracy	±0.2°C
Testing distance	2-8cm
Buzzer	Built in buzzer
Available temperature range	-10°C~100°C
Device best working environment temperature	15°C~40°C
Device interface	Support RS485 output
Supply Voltage	DC12V
Working current	0.2A
Power adaptor	With 1 pcs AV220V convert DV12V power adaptor
Device Size	325*180*60mm
Package Size	375*215*85mm
Weight(pcs)	1.8kg