

RK900-21B Non contact infrared temperature measurement system

The non-contact temperature measurement system is mainly to improve the traditional temperature measurement method, so that the temperature measurement becomes more simple, fast and accurate. In order to meet the needs of medical development, effective temperature measurement in special environment can effectively control and prevent the spread of epidemic diseases.

The system adopts the selection of key optical devices, the design of aiming system and the adjustment of temperature compensation to improve the accuracy of infrared thermometer, which is used for rapid temperature measurement in the situation of dense personnel and large flow.

The system can realize the functions of human body temperature measurement, normal / abnormal temperature statistics, over limit alarm, touch screen setting, data storage and historical record query.

It is applicable to temperature monitoring and regional prevention and control in public gathering places such as stations, airports, docks, shopping malls, communities, schools, etc.

Free height adjustment





Contact thermometer



Hand held infrared thermometer



Temperature measurement system of thermal imager



Traditional temperature measurement methods:

Low efficiency Complex steps, difficult to record

Complex operation High cost of disinfection and labor

High risk Difficult to avoid infection

High cost Difficult to be widely used

Rika provides simple, fast, economic, safe and effective method of thermometry

SYSTEM COMPOSITION

- ❖ Accurate measurement
- ❖ Easy to install and move at any time
- ❖ Operation simple, and the measurement can be started after the power supply is connected



SYSTEM ADVANTAGE



Rapid deployment

The hardware composition is simple, including the bracket / 4.3 inch touch screen, which can quickly detect the temperature of human body or object, display the current temperature measurement value, and send an alarm when the temperature is abnormal.



Non contact temperature measurement

The measured object or person can measure the temperature without contact and avoid cross infection.



Measured data

Real time measurement data display, normal / abnormal number statistics, historical data query, data storage.



Alarm temperature value setting

Alarm when the set value is exceeded.



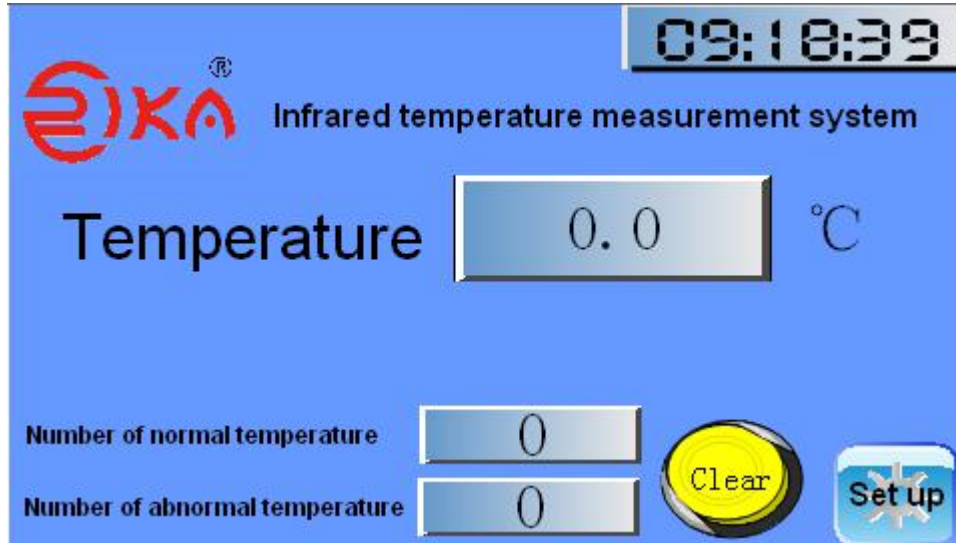
High-precision

With high-precision infrared temperature sensor and ambient temperature compensation, measurement error $\leq \pm 0.5$, which can more accurately detect temperature anomalies.

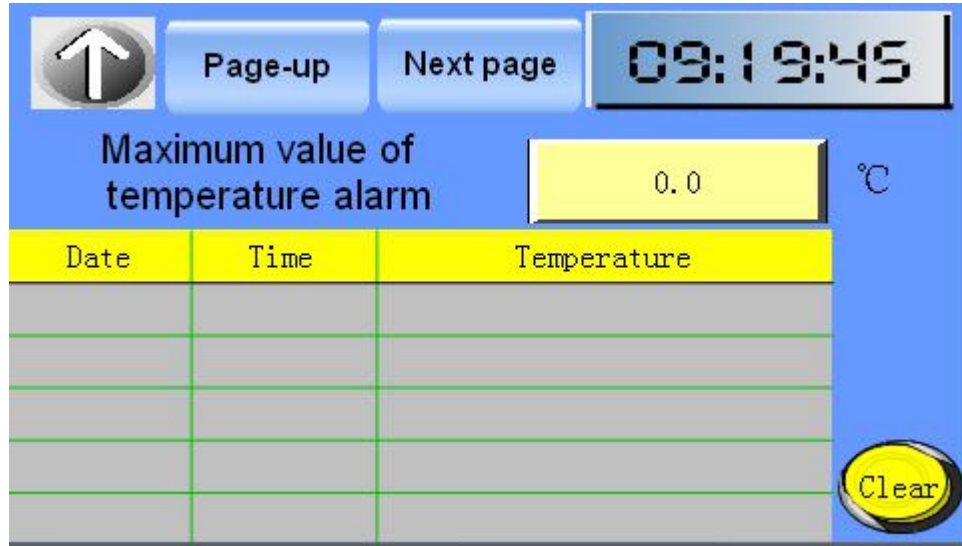


Suitable for multiple scenarios

The entrances and exits of communities, schools, parks, libraries, shopping malls, stores and communities can be used.

SOFTWARE INTERFACE

1. Real time temperature measurement display and environment temperature acquisition;
2. Statistics and removal of normal temperature quantity;
3. Statistics and removal of abnormal temperature;
4. Temperature alarm setting.
5. View and query historical measurement data;
6. Data storage

SET ALARM INTERFACE

The screenshot shows a control interface for setting an alarm. At the top, there is a navigation bar with an up arrow icon, a 'Page-up' button, a 'Next page' button, and a digital clock displaying '09:19:45'. Below this, the text 'Maximum value of temperature alarm' is displayed next to a yellow input field containing '0.0' and a degree Celsius symbol. A table with three columns is shown below: 'Date', 'Time', and 'Temperature'. The table has five rows, with the first row highlighted in yellow. A 'Clear' button is located in the bottom right corner of the interface.

Date	Time	Temperature

SPECIFICATIONS

Measuring range	28~45℃
Accuracy	±0.5℃
Effective distance	10-30cm
F0V	110° x75°
Environmental	-20-+50℃, 0-100%RH
LCD display	4.3"TFT
Display color	65535
Rated voltage	100-240VAC 50/60Hz
Resolving	480X272
Rated power	3W
Protection level	IP65
Memory	128M
System storage	128M
USB interface	For data export
EMC	Class 3
Authentication	CE/FCC

HARDWARE CONFIGURATION



Display:HMI LCD
 Power: 100-240VAC
 (50/60HZ)
 Rang: 28-45°C
 Accuracy: $\pm 0.5^{\circ}\text{C}$

Item	Main equipment and accessories	Number	Remarks
1	Non contact infrared thermometer	1	Standard
2	The power adapter	1	Standard
3	Fixed bracket	1	Standard

APPLICATION OCCASION

It is widely used in factories, schools, parks, venues, government agencies, hospitals, apartment buildings and other public entrances and exits, as well as airports, high-speed rail, bus stations, subway stations and other key places with concentrated traffic, to achieve personnel authority management and temperature monitoring.





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