



## Product introduction

The newly upgraded JK4000 is a multi-channel temperature recorder controlled by an ARM microprocessor. It uses a 4.3-inch color display for multi-channel parallel testing. The multi-channel temperature recorder simultaneously collects, alarms, and communicates the multi-channel temperature. The JK4000 series adopts the most advanced testing principle to make the temperature test resolution to 0.1°C. It has a wide range of adaptability and supports K/N/E/J/T/R/S/B thermocouples. The test range is from -200°C to 1800°C. The standard RS232 interface of the multi-channel temperature recorder can directly upload data to the PC. It also has a USB interface. When it is inconvenient to connect to the PC, the measured data can be directly saved to the U disk, and the data can be transferred to the PC. And can accept the module combination, no matter you only need a few simple data recording channels, or you need hundreds or thousands of performance channels. And provide free communication through PC software can easily realize data collection, analysis and printing. It adopts a sturdy and anti-vibration shell, which can work in harsh environments. Fully isolated digital and analog signals, JK4000 comes standard with U disk interface, supports real-time data storage. Simultaneous testing and simultaneous display of instrument curve drawing. The number of channels can be expanded arbitrarily and permanently upgraded.

## Characteristic

1. Large-screen color LCD (4.3 inch) measurement window displays all parameters.
2. The operation interface is highly user-friendly, concise and clear, and there is no noise when working.
3. Data of 8, 16, 24 (32) channels are collected in real time at high speed and displayed on the same interface at the same time.
4. The ARM microprocessor uses chip integrated circuits, which further improves the stability and accuracy.
5. The volume and weight of the instrument are reduced.
6. Free plugging and unplugging of channel modules.
7. USB interface, the collected data can be stored in the U disk, the collected data or the data stored in the U disk can be analyzed by the computer monitoring software to generate temperature curves, export (Excel), save, print, etc., it is especially suitable for users who are inconvenient to connect to a computer.
8. Instrument temperature curve display.
9. Computer communication software (free gift, free upgrade): collect, store, print temperature data and draw temperature curve. It is convenient for users to query and analyze data.
10. It can input signals of thermal resistance and thermocouple.
11. The machine also has the date and time, and it still works after power off.
12. Communication interface: equipped with RS232 communication head or USB communication head to communicate with computer or RS485. The longest communication distance can reach 1000 meters. One computer can be connected to multiple temperature testers at the same time (monitoring multiple data at the same time).

## Technical parameters

Model	JK4000 multichannel temperature tester
Input type	Thermocouples: J/K/T/E/S/N/B type PT100 PT1000 (need to be customized)
Measuring range	Measuring range: E \J \K \N \R \S \T \pt100 type Measurement accuracy: -200~1800°C:±(read value×0.2%+1)°C, -100~0°C:±(read value×0.2%+1)°C The test range is different because of the different thermocouple
Channel number	8 channel ,16 channel, 24 channel, 32 channel, 40 channel ,48 channel,64 channel ( External extension module JK408 )
Display	4.3 inch TFT color screen
Display resolution	0.1°C
U disk storage	yes
withstand voltage	Between the input circuit and the internal loop 300VAC/1 minutes Between the analog input channels:100VAC/1minutes
scanning speed	100ms
Internal storage	yes
curve tracing	yes
communication interface	RS232 or RS485
software kit	2015 version of V1.3 software
Single screen display	32channel
Temperature correction	yes
Other functions	Clock function, calendar function
Terminal type	plugging and unplugging type
Permissible environmental conditions	1. Power supply: AC 220V±10%, 50Hz±2%; 2. Working environment: Working temperature:-20—70 °C, Relative humidity:20%—90%
Size	Upper frame size(mm):215(w)*88(H)*335(D) Shape size (mm):235(w)*105(H) *360(D), Weight : about 3.6kg