

JK9000L High Precision Temperature and Humidity Calibrator

One. Function

JK9000L uses a high-brightness color 10.1-inch TFT LCD screen. A single machine can achieve up to 60 channels of data acquisition and testing. It can display the maximum, minimum and average values of temperature in real time, and an external lithium battery can supply power. It can be connected to the computer in real time through the USB port to complete the computer real-time data collection, and the temperature and humidity curves can be directly viewed on the screen. It is suitable for the validity detection of temperature deviation, temperature uniformity, temperature passivity, relative humidity deviation, relative humidity uniformity, and relative humidity fluctuation of environmental test equipment. The temperature and humidity recorder is mainly used for the detection of equipment including muffle furnace,



constant temperature and humidity drying box, constant temperature and humidity box (room), high and low temperature humidity test box, incubator, cold storage, box resistance furnace and other equipment.

Two. Technical Parameters

1. Number of channels: temperature channel interface: 30 channels, humidity channel interface: 30 channels;
2. The host has a wide range of temperature and humidity measurement, the maximum temperature measurement range (-200-1800°C), and the humidity range (0%~ 100%RH)
3. Accuracy: $\pm 0.05^{\circ}\text{C}$ 0.8%RH
4. Input type: humidity sensor, thermal resistance Pt1000 four-wire system
Thermal resistance: -100-250°C, accuracy class A/resolution 0.001
Humidity sensor: ROTRONIC standard probe, accuracy 0.8%RH, $\pm 0.1^{\circ}\text{C}$, at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$;
Application range: -50...100°C/0...100%RH; Size: $\varnothing 15 \times 83$ mm
Domestic humidity sensor: accuracy: 1.5%RH
5. Recording interval: 1000 milliseconds to 120 seconds,
6. Communication/printing function
Communication: USB standard, supporting collection software can be opened with EXCEL
It has the function of automatically collecting temperature and humidity signals at a set time interval, and the collection time interval can be adjusted arbitrarily.
Data transfer: Data backup and transfer, support USB2.0 Um, support 4G U disk for data transfer, strong compatibility.
7. The curve graph of the acquisition software can be recorded, and it can also be zoomed and panned steplessly, which is convenient for observing the change of the temperature and humidity of the measured object;
8. The host has a two-year warranty, life-long free fine modification and correction, and life-long after-sales service guarantee.

Three. Configuration

1. Recorder host US\$1315/set
2. USB data cable US\$0
3. PT1000 platinum resistance US\$278/piece
Armored waterproof platinum resistance (P1000): -100~ +250°C, accuracy: AA level/ $\pm 0.05^{\circ}\text{C}$
Specifications: Waterproof, probe diameter 4mm, length 40mm, 4-wire system, cable length 2 meters
4. ROTRONIC humidity sensor: 0~100%RH /-70~ 180°C US\$356/piece
5. Acquisition software US\$0