



Performance characteristics>>

- Max up to 80 channels data acquisition and testing
- Multiple test units synchronize measurements (up to 5 units).
- Every test unit can be plugged freely
- Keyboard, mouse is plug and play
- Universal input: current, voltage, thermal resistance, thermocouple, pressure
- Basic accuracy: 0.2% F·S
- Temperature compensation function (TC)
- With a touch of 7 inch color LCD screen, the display resolution is 800 x 480.
- It can output the comparison results of channel level, board level and whole machine level.(exceeding limit, qualification and noise)
- The screen information is stored in the U disk
- Flexible and convenient file operating system
- Data storage function to facilitate real-time storage of measurement results
- It can automatically upgrade instrument operation software through USB HOST.
- Optional operating interface in English and Chinese
- The Handler interface is used to implement online operation
- RS232, USB HOST, USB Device, LAN, It can facilitate data communication with PC and remote control of instruments.

Basic parameters>>

Model	JK7000
Display	7 inch TFT color LCD (640*480 pixel)
Channel number	10 (Maximum measured channel number: 80)
The maximum number of connections of the module	*The maximum number of connections is limited by the maximum number of input / output channels, and varies depending on the type and composition of the module.
Arithmetic channel number	50
Channel of communication channels	50
Internal memory	SD memory card (max 32GB) (Format: FAT32 or FAT16), factory standard 1GB
External storage medium	USB interface (/UH option): compatible with USB 2 standard (external storage medium: USB flash memory) (keyboard / mouse: compatible with HID Class Ver.1.1 standard)
Communication function	Ethernet (10 BASE-T/100 BASE-TX), compatible IEEE802.3 standard (Ethernet Frame Format: DIX) Modbus/TCP (Client function / server function)
Optional	serial communication :RS-232, RS485, Modbus/RTU (Host function / slave function)
Other function	Security function: key function and login function Clock function: calendar function, precision: $\pm 5\text{ppm}$ (0~50℃) LCD Screen saver function
Rated power supply voltage	100-240VAC (Voltage allowable range: 90~132VAC、180~240VAC)
Rated power frequency	50/60Hz
Power waste	Max 45VA (100VAC)、Max 60VA (240VAC)
Insulation resistance	Between the Ethernet terminal、RS422/485、the insulation terminals and the ground: $\geq 20\text{M}\Omega$ (500VDC)
Withstand voltage	Between the power terminal and the ground: 3000VAC (50/60Hz) /1 minute
External size (W*H*D)	Host: 288*128*300 (mm) Including modules :288*128*320 (mm)
Weight (Only host)	About 5kg

JK7000 Analog input specification					
Item		Content			
Input type		Photoelectric relay scanning mode, full channel insulation input, balanced input			
Mode input terminal shape		M3 Screw terminal			
Measuring range	Voltage	0.01mV-100V F.S.(full range) ,Highest resolution 1μV			
	Thermal resistance	Type : PT100			
	Thermocouple	Type : K、 J、 E、 T、 R、 S、 B、 N			
	Humidity	0 ~ 100% (use optional C-150)			
	Current	0.01mA-20.00mA			
	Sampling rate	1s (full channel)			
Measuring accuracy	Temperature/ thermocouple	Types	Measuring temperature range (TS:measuring temperature)	Measuring accuracy	
		R	0≤TS≤100℃	±5.2℃	
			100<TS≤300℃	±3.0℃	
			300<TS≤1600℃	±(0.05% of rdg.+2.0℃)	
		S	0≤TS≤100℃	±5.2℃	
			100<TS≤300℃	±3.0℃	
			300<TS≤1760℃	±(0.05% of rdg.+2.0℃)	
		B	400≤TS≤600℃	±3.5℃	
			600<TS≤1820℃	±(0.05% of rdg.+2.0℃)	
		K	- 200<TS≤0℃	±(0.05% of rdg.+2.0℃)	
			0℃<TS≤1370℃	±(0.5% of rdg.+1.0℃)	
		E	- 200≤TS≤-100℃	±(0.05% of rdg.+2.0℃)	
			- 100<TS≤800℃	±(0.05% of rdg.+1.0℃)	
		T	- 200≤TS≤-100℃	±(0.5% of rdg.+1.5℃)	
			- 100<TS≤400℃	±(0.1% of rdg.+0.5℃)	
		J	- 200≤TS≤-100℃	±2.7℃	
			- 100<TS≤100℃	±1.7℃	
			100<TS≤1100℃	±(0.05% of rdg.+1.0℃)	
		N	- 200≤TS<0℃	±(0.1%of rdg.+2.0℃)	
			0≤TS≤1300℃	±(0.1% of rdg.+1.0℃)	
			Standard accuracy	contact compensation	±0.5℃
			PT100	- 100<TS≤100℃	±0.5 (3-wire)
A/D converter		Mode : ΔΣ , 16Bit(Effective resolution : ±1/40000)			
Maximum input voltage	Between input terminal +/-	-100V~100V: p-p			
	Between channel (1-1/ (-1))	60Vp-p			
	Between input terminal/GND	60Vp-p			
Maximum withstand voltage	Between channels	350Vp-p(within 1 minute)			
	Between input terminal/GND	350Vp-p(within 1 minute)			