Jinko

2020 Product catalogue

Having searched for it hundreds and thousands of times in the crowd,
suddenly you turn back, and it is there by the dim light.

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◆JK-4000 multichannel temperature tester

Jinko instrument, popularizing high end technology

Product introduction:

The newly upgraded JK4000 is a multi-channel temperature recorder controlled by ARM microprocessor. It adopts 4.3 inch color display and multi-channel parallel test. Multi-channel temperature recorder can collect, alarm and transmit multi-channel temperature simultaneously. The JK4000 series sampled the most advanced testing principles to make the temperature test resolution to 0.1 degrees. It has wide adaptability and supports K/N/E/J/T/R/S/B thermocouple. The test range is from -200℃~1800℃.

The multi-channel temperature recorder is equipped with RS232 interface. It can directly upload data to PC, and also has USB interface. When it is not convenient to connect to PC, it can save measured data directly to U disk, and then transfer data to PC when needed.And can accept module combination. No matter you need only a few simple data recording channels, you still need hundreds of thousands of performance channels, and provide free communication. Data acquisition, analysis and printing can be easily realized through PC software. With a strong anti vibration shell, it can work in a harsh environment. All isolated digital and analog signals, JK4000 with U disk interface, support real-time data storage. At the same time test and display instrument curve number can be arbitrarily extended, permanent upgrade.

Characteristic:

1. large screen color liquid crystal (4.3 inch) measuring window display all the parameters
2. The operation interface is highly humanized, concise and clear, without noise at work.
3. The 8, 16, and 24 (32) channel data are collected at high speed in real time and are displayed simultaneously at the same interface.
4. The ARM microprocessor uses a patch integrated circuit to further improve the stability and accuracy.
5. The volume of the instrument is reduced and the weight is reduced.
6. Free pluggable of channel module
7. The USB interface can store the collected data in the U disk. Through the computer monitoring software, we can analyze the temperature data generated by the collected data or the data stored on the U disk, and export (Excel) to save, print, etc., which is especially suitable for users who are inconvenient to connect to the computer.
8. Instrument temperature curve display
9. Computer communication software (free gift, free upgrade): collecting, storing, printing temperature data and drawing temperature curve. It is convenient for users to inquire and analyze the data.
10. It can be input by thermal resistance and thermocouple signal.
11. The machine also has the date and time, and the power off is still working.
12. It can be input by thermal resistance and thermocouple signal.
13. The machine also has the date and time, and the power off is still working.

Communication interface: with RS232 communication head or USB communication head, the longest communication distance with computer communication or RS485 can reach 1000 meters, and a computer can connect multiple temperature tester at the same time (simultaneously monitoring multiple data).

Technical parameter

Model	Jk4000 multichannel data recorder
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℃: ± (read value × 0.5%+1)℃, -100 ~ 0℃: ± (read value × 0.5%+2)℃; The test range is different because of the diversity number
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℃
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	M3 screw type
Permissible environmental conditions	1、Power supply: AC 220V ± 10%, 50Hz ± 2%; 2、Working environment: working temperature:-20—70℃, Relative humidity:20%—90%;
Size	(W × H × D) Upper frame size(mm):215(w)*88(H)*335(D) Shape size (mm) : 235(w)*105(H) *360(D) Weight : about 3.6kg

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JK7000 multichannel temperature tester

- 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
- Universal input: current, voltage, thermal resistance, thermocouple, pressure
- Basic accuracy ： 0.2% F•S
- With a touch of 7 inch color LCD screen, the display resolution is 800 x 480.
- Keyboard, mouse is plug and play
- Temperature compensation function (TC)
- 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
- 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
- Flexible and convenient file operating system
- 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.

JK7000 displays large amount of information, friendly interface and simple operation. The following are the main features:
*JK7000 uses ARM microprocessor, which can achieve up to 64 signals acquisition, recording, display and alarm at the same time.
* No paper record, low maintenance cost, inquire at any time.
* adopt high brightness color 7 inch TFT LCD screen, CCFL backlight and clear picture.
* At the same time, it has the function of recording voltage and current. It can measure the current of 0-20mA and the voltage of 0-10V.All isolated universal input, can input a variety of signals at the same time, no need to replace the module, through the software configuration.
*The engineering data show a wider numerical range and display 5 bit values：-9999~19999；
*Can be configured,Display the number of engineering bits,Engineering unit,Flow accumulation;
*It has a flash alarm display, and indicates the lower and lower limits, the lower limit, the upper limit and the upper limit alarm of each channel, and the relay alarm output;
*It can be configured with 8 point output and photoelectric isolation. The error is less than 0.2% F • S.
*The accuracy of the display is high and the basic error is ±0.2% F•S；
*Temperature and pressure compensation support compensation signal input, constant optional, provide a variety of compensation models, such as superheated steam, saturated steam, pressure compensation and other compensation models;
*Built in GB2312 Chinese character library, using full spelling input method;
*Equipped with standard three USB interfaces, the U disk is used to transfer historical data quickly and conveniently, and it can also access keyboard and mouse.
*Standard serial communication interface, RS485 and RS232C with optical isolation.；
*Support standard ModBus RTU communication protocol (optional function), in addition to supporting the company's data management software, but also support MCGS, Kingview and other popular configuration software;
*Using high quality brand switching power supply, it can work normally in AC voltage AC 85V~265V wide voltage range.
*provide Transmitter DC 24V isolation distribution;
*Through the EMCIII level, ensure the instrument works normally in bad environment..
*The standard configuration of the instrument itself is：2 meter long K thermocouple, temperature range：0-500℃，Please note other special requirements before ordering.
JK7000 series touch temperature recorder can choose thermocouple and thermal resistance of 7 different types according to their own needs to test temperature.

Technical parameter

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：±5ppm（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：≥20MΩ（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

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JK9000 Paperless data recorder

* Single - up to 64 channel data acquisition test
* Multiple test unit synchronous measurement (up to 8 units)
* In each test unit can freely swap
* Universal input: current, voltage, thermal resistance, thermocouple, pressure
* Basic accuracy: 0.2% F - S
* With 10.1 inch color LCD touch screen, display resolution is 1024*600
* Keyboard, mouse, plug and play
* The function of temperature compensation (TC)
* In the trend of the seamless display of historical data
* Screen information is stored in the U disk
* Real time data storage function preservation - convenient measurement results
* Automatic instrument operation through USB HOST software upgrade
* In English - optional operation interface
* File operating system - flexible and convenient
* In the WiFi interface for the realization of on-line operation
* RS232 USB HOST, USB, Device, LAN, and PC can be convenient for data communication and remote control of instruments

Display features

* Use high brightness color 10.1 inch TFT LCD screen, CCFL backlight, clear picture;
* Rich display, powerful data search function, status indicator function
* Intuitive touch screen operations
* With flashing alarm display, at the same time indicate the lower and lower limit, upper limit and upper limit alarm of all channels;
* There are four basic pictures: digital display, bar picture display, real-time curve picture, recall curve and picture
* Real time curve recording interval of 1 second ~9999 seconds, step setting, corresponding to the whole screen curve time 30 seconds ~300 minutes
* Recall curve intervals are set from 1 second to 9999 seconds
* Recall the curve reading cursor function.

Flexible construction

* When more channels are needed, the i/o module can be added
* Relay alarm output;
* Configurable 8 point change output, photoelectric isolation, the error is less than + 0.2% F • S;

Output:

* Relay alarm output; configuration 12 point alarm function.
* Configurable 8 point change output, photoelectric isolation, error is less than + 0.2% F = S
* Current output (4~20), mA, (0~10) mA, (0~20) mA are optional.
* Voltage output (0~5) V, (1~5) V optional.
* The factory defaults to (4~20) mA, indicating other types of orders.

Power supply

* With high-quality brand-name switching power supply, can work in AC power AC 85V~265V wide voltage range;
* Provide transmitter, DC, 24V, isolation, distribution;
* Through EMCIII level, ensure the instrument work well in bad environment

Communication and print interface (optional function)

* Opto isolation
* RS232 and RS485 standards
* Communication rate 96001920057600115200, by setting selection
* Supporting test software, providing configuration software and application software technical support
* Optional Modbus RTU protocol to communicate with the host computer
* Support standard ModBus RTU protocol (optional function), in addition to supporting the company's data management software, but also support the MCGS, king view, and other popular configuration software;

Basic function

* Using ARM microprocessor, at the same time to achieve the most 64 signal acquisition, recording, display and alarm
* The display accuracy is high, and the basic error is + 0.2% F = S;;
* Built in GB2312 Chinese characters library, use Quanpin input method;
* Equipped with standard three USB interfaces, with the U disk to transfer the historical data fast and convenient; also access to the keyboard and mouse;

Input signal

* DC current, DC voltage, thermal resistance, thermocouple, pressure class, select by key input, isolated universal input,
* Temperature and pressure compensation supports signal input, constant selection, and provides a variety of compensation models, such as superheated steam, saturated steam, pressure compensation, and other common compensation models;
* DC current: (4~20) mA, (0~10) mA, (0~20) mA
* DC voltage: (1~5) V, (0~5) V (0~10) V, (1~10) V
* Thermal resistance: Pt100 (three wire system)
* Thermocouples: K, S, R, B, N, E, J, T, cu50
* Temperature & humidity: 2305 temperature and humidity probes are available, which can be tested directly (-20 to 110 degrees) (humidity 20% through 98%) Choose AM2001 humidity module (3%, condition: AT25 degrees C, 60%RH, other conditions are accuracy 5%),
* Other input signals or graduation numbers should be indicated when ordering.

Storage: large internal memory 700MB

Support for long, multi-channel recording of large capacity FLASH, you can quickly transfer data from the FLASH to the computer through the U disk. The built-in FLASH has a capacity of 64M bytes and 8 channels if it is recorded once in 20 seconds. It can record 65 days and record the data of all channels as fast as 1 second.

JK-XU/XA/XC multi-channel temperature tester equipped with large screen LCD screen . U disk to save the interface, easy to measure and display the temperature data, The utility model is an instrument which is suitable for multi point simultaneous real-time monitoring and tracking.use High voltage semiconductor relay Scan the input signal,achieved High speed scanning , The utility model eliminates the noise and the service life caused by the traditional relay.

Technical characteristics

It can set the upper and lower limits of the temperature value of each channel, beyond the sound alarm. Large screen liquid crystal display, can also display multiple temperature value with U disk interface, Insert the U disk can save mass temperature record data Especially for the oven, sterilization cabinet lamps, household appliances, electric motors, electric appliances, temperature control devices, transformers, thermal protectors, and other manufacturers of the industry and the quality inspection department of multi-point temperature field detection, Energy saving lamp, electronic ballast inside the triode, choke coil, magnetic ring, capacitors and other components of the temperature at the same time live real-time monitoring. The whole process of temperature rise is recorded in a curve by computer. The utility model is convenient for analysis and improvement, and plays an important role in improving the reliability of energy saving lamps and electronic ballasts.

Technical parameter

Model	JK-XU (8U~64U)	JK-XA (8A~64A)	JK-XC (8C-64C)
Input stype	Sensor: nickel chromium nickel silicon (K) thermocouple (type T, type J can be specially made)		
Test range	1、test range：-100℃～1000℃； 2、test accuracy： 0～1000℃:±(reading ×0.5%+1)℃，-100～0℃:±(reading×0.5%+2)℃；		
Channel number	8 ,16, 24 , 32 ,40, 48, 64,		
Display	LCD 240*128 dot matrix screen		
Single screen display	32 road		
U disk storage	yes	No	yes
Live test	300V		
Internal storage	yes	No	yes
Alarm mode	Digital flicker		
Anti-interference	Anti high frequency interference		
communication interface	USB	RS232	
software kit	2014 edition（latest）	2000 edition	
Permissible environmental conditions	1、Power supply：AC 220V±10%，50Hz±2%； 2、use environment：working temperature：-20—70℃，relative humidity：20%—90%；		
Outside size ：	(length×width×height)36cm×26cm×16cm machine weight ： about 5kg		

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JK808 handheld multi-channel temperature tester

Brief description

JK808 handheld multi-channel temperature measuring instrument controlled by the ARM microprocessor, multichannel parallel sampling test, at the same time the 8-way temperature acquisition, alarm, and communication。Compatible with a variety of temperature sensor, fast response and stable data, at the same time has broken accidentally detection function。JK808 Sampling the most advanced testing principle, make temperature test resolution to 0.1 degrees。JK808 handheld multi-channel temperature tester has extensive adaptability, support K/N/E/J/T/R/S/B type thermocouple. Test range from 200 ℃~ 1800 ℃.

JK808 has many advantages :Operation more simple, convenient, the instrument can be a very good compatibility with mass storage and powerful PC communication ability, instrument with USB interface, and provide free communication via the PC software which can easily implement data acquisition, analysis, and print.

JK808 use the strong resistance to vibration of shell so it can work under harsh environment. All digital and analog signal isolation, safe and reliable. JK808 standard USB interface, support for real-time data storage.

Features

- TFT true color liquid crystal display, three kinds of display fonts
- Fast/mid/slow three-level scanning speed
- Cold junction compensation
- The standard USB disk interface, support mass storage devices
- The standard Mini USB interface
- Specify the channel scan
- The standard JK808 – A data acquisition software
- 8.4 V lithium batteries

Performance characteristics

Applicable to household appliances, motor, electric appliance, thermal protector, thermostat, transformers, baking oven, the power supply, lighting, electric power, the LED industries such as manufacturers and quality inspection department for the test of multipoint temperature

Technical parameter

Model	JK802	JK804	JK808
Channel	2 Channels	4 Channels	8 channels
Graduation	Thermo element： J/K/T/E/S/N/B		
Basic Accuracy	0.2%+1℃		
Measurement range	-200℃~1300℃(Test Range With Different Degree Will Be Different)		
Resolution	0.1℃		
Channel number	8; Can Be Expanded To 64		
Sweep Speed	Fast： 100ms/ channel Mid： 500ms/ channel Slow： 1s/ channel		
Correction	Each Channel Error Correction		
Comparator	Onlap And Downlap Alarm Each Channel Separately Set Onlap And Downlap Value		
The Standard Interface	U-Disk Interface USB Communication Interface		
The Standard Software	JK808A Data Acquisition Software		
Cold Junction Compensation	Accuracy： 0.5℃		
Others	TFT-LCD True Color Liquid Crystal Display, Broken Accidentally Detection		
Power Requirement	Input： 100-240V ~ 50/60Hz 0.35A Output： 9V 1A DC 8.4V, Li, 2200mAh Rechargeable Battery		
Accessory	K Thermocouple Eight (2 M/A) DC Power Supply Units Lithium Battery Mini-USBCommunication Cable Data Acquisition Software		
Size	Size(mm) 91(W)*194(H)*39.5(D) weight :650g		

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◆JK508 Handheld multichannel temperature tester

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JK508 hand-held multi-channel temperature acquisition instrument is the latest handheld temperature curve acquisition instrument on our technology platform.Using high-performance ARM microprocessor control and 5.6 inch LCD display, let waveform display at a glance.At the same time, multi-channel temperature data can be collected, over Super alarm and communication transmission, and can be extended to more than 128 temperature data, compatible with a variety of temperature sensors, fast response, data stability, at the same time have fault detection functionUp to 6AH lithium battery power ensures long time acquisition. Offer it free of charge Special collection software.

The instrument is equipped with Mini-USB (virtual serial port) interface, and data acquisition, analysis and printing can be realized by standard computer software.USB disk memory is supported to store sampled data. The user can independently calibrate the data for each path.

Technical parameter

Model	Jk508	JK516
Channel	8 (can be extended to 128)	16 (can be extended to 128)
Graduation number	Thermocouple: J/K/T/E/S/B/N/R/ type; Thermal resistance: Pt100	
Basic accuracy	0.2% + 1℃	
Test range	-200℃~ 1300℃(the range of the test is different because of the diversity number)	
Resolution	0.2℃ + 2 words	
Scanning speed	Fast: 100ms, medium speed: 500ms, slow: 1s	
Correction	Error correction for each channel	
Comparator	Overrun alarm, Each channel is individually set over a super value	
Standard interface	U disk interface , Mini (virtual serial port)	
Standard software	data acquisition software	
Cold end compensation	Accuracy: 0.5℃	
Other	TFT-LCD true color LCD display, Fault detection function	
General characteristics		
Power requirements	Input: 100-240V~50/60Hz 0.35A output: 9V 1A DC	
Battery parameters	8.4V, Li, 2200mAH rechargeable battery	
Battery charging time	Single continuous charging: maximum 300Min	
Battery working time	More than 8 hours	
Size/ weight	External dimensions (mm) :130.23 (W) *210.76 (H) *37.88 (D) ,650g	
Accessories	Thermocouple, DC power adapter, portable package, lithium battery, Mini-USB communication cable, data acquisition software, wireless transmission module (optional)	

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One, the selection of the main engine of the furnace temperature tester when selecting the host of the furnace temperature tester, please confirm that the work piece needs several temperature test points.Several temperature test points, that is, the number of channels of the instrument, the more the number of channels, the more accurate the measured temperature curve will be.Commonly used channel number: 6 channels, 10 channels.

Two,The insulation box is equipped: 300 degrees and 10 minutes
Pre sales Communication: when selecting the heat insulation box, please confirm the size of the furnace mouth, so as to avoid the heat insulation box too high, resulting in the inability to enter the furnace, It is necessary to carry out pre-sale technical communication when the furnace mouth size is too small.
The heat insulation box features: insulation insulation box with the US temperature tracker aircraft "black box" of the same, can withstand the harshest environments. The heat insulation box adopts microporous insulation, by stainless steel shell protection and improved, with button switch firmly and easy to use. The heat insulation box is strong and lightweight, can withstand the high temperature process of multiple runs, extremely long service life. The heat insulation box: protection instrument host not in furnace test by high temperature burning. Special requirements can be customized to inquire.

Three, Thermocouple equipment：SMPW-K-M+TT-K-30-0.5M（0.5 meter） 260 degree resistance to high temperature
All K thermocouple lines and plugs are in line with the highest standard to ensure the highest level of accuracy; our thermocouple providers are the world's top OMEGA company with a thermocouple accuracy of 0.01 degrees.
Product use: used for temperature measurement of various heating or refrigerating equipment. Long time temperature monitoring, temperature curve mapping and temperature data analysis.
Scope of application: SMT electronics manufacturing, metallurgy, heat treatment, baking varnish, brazing,.IR. tunnel furnace, etc. all industries that need temperature monitoring or measurement.

Product features:

1: Small size, powerful function, design life span of more than 10 years.
2：The measurement accuracy is high ±0.5℃, fast speed, fastest 0.01 seconds / times, easy to cope with the challenges of any temperature field.
3：High speed USB interface communication and charging together, no need for extra charging permanently.
4：The 3 triggering modes, the 4 triggering and stopping modes, can be optimized at random to achieve intelligent start stop without manual intervention.
5：1200MA Power supply of polymer rechargeable battery
6：Overlapping analysis of more than 100 groups of curves
7：Maximum storage of 255 sets of temperature curve data (matching)
8：A complete firmware information prompts that users can view the usage records, status and hardware configuration information at any time.
9：Analysis of intelligent PWI index
10：Automatic curve optimization function
11：Instrument time can be set or calibrated to synchronize with the computer
12：Powerful curve editing function

Technical parameters

Model	Jk60i	JK60T	JK10T
Test point number	6	6	10
Size (H*W*L)	12*47*203mm	19*60*128mm	19*95*168mm
measurement accuracy	+/-0.5℃		
temperature resolution	0.1℃		
sampling frequency	10ms/ times Once an hour		
storage space	16M(selection)		
Number of channels	6		10
Storage group number	255(selection)		
Battery capacity	1200MA		
Startup mode	Key trigger, temperature trigger, delay trigger		
Stop mode	Key Trigger,temperature trigger, delay trigger, communication trigger		
Working temperature of instrument	-40~+105℃		
Range of temperature measurement	-200~+1370℃		
Type of thermocouple	K type		
Processor digits	32		
Total power	60mw		
Analysis software	JK Collection and analysis software for furnace thermometer		
Connection mode	USB/RS232		

Temperature curve analysis setting function (data analysis report):

1、Reflow furnace and wave peak furnace temperature area Setting temperature and transportation speed

2、Location name of temperature sampling point and PCB schematic diagram

3、The time between two temperature values

4、The slope of the two temperature values

5、The slope between two points of time

6、Time beyond the specified temperature

7、Maximum temperature and point temperature at any time

8、The time between the horizontal temperature line, the vertical time line and the two time

9、Grid editing refinement and curve zooming display

10、Simulate curve function, process optimization, date and time of testing.

11、Input of company name, product name and memo information

12、Select printing direction (horizontal printing and vertical printing).

13、The temperature data report can be exported to Excel for editing.

14、Insert the picture function, make the location of the temperature test point be clear at a glance.

15、Call multiple groups of temperature curves to compare

16、Two working modes of real time monitoring and instrument recording

17、Manual removal and software clearance of instrument memory data

18、Three starting modes: manual, specified time and specified temperature.

Heat insulation sleeve specification:

Model	Specification (millimeter)	150℃	200℃	250℃	300℃
TB7028	28*70*235(H*W*L)	23 Minutes	15 Minutes	11 Minutes	8 Minutes

◆JK825,JK826 Handheld LCR Meter

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Application
- LCR feed inspection
- Mobile LCR measurement

Product introduction

JK825, JK826 handheld LCR digital bridge is controlled by a high-performance 32 bit ARM microprocessor.Ultra low power design and high density SMD assembly process, 2.8 inch real color 16M color TFT LCD display, the main and secondary parameters are displayed at the same time, get rid of the limit of the workbench, and provide convenience for you to move LCR measurement.And with the keyboard, touch screen double control. Using lithium battery power supply, USB communication. The Chinese and English operation interface can be quickly switched. Is the highest configuration of the current handheld LCR digital bridge!

The JK825 handheld LCR digital bridge has the highest 10Khz measurement frequency, constant 100 internal resistance, 0.6Vrms measurement level, and the highest accuracy of 0.2%. It has the advantage of portable and desktop instruments.

Performance characteristics

- High brightness, 2.8 inch real color LCD display
- Switching between Chinese and English
- USB communication
- Correction function: full range open circuit and short circuit sweep frequency clearing.
- Comparison of the main parameters of the 1 sets of records
- Automatic range selection based on nominal value
- Switchable attached file (AUX) sorting
- Built-in built-in Mini-USB interface (virtual serial port)
- 7.4V, 1300mAh rechargeable lithium battery charging interface serial port
- Overlong working time

Technical parameter

Model	JK826	JK825
Parameters	L,C,R,Z,	
Monitoring parameters	D,Q, θ (deg), θ (rad)ESR	
Accuracy	0.20%	
Frequency	100Hz,120Hz,1kHz,10kHz, 100kHz	100Hz,120Hz,1kHz 100Hz,120Hz,1kHz,10kHz
Display Range	L: 0.01 μ H-9999H	L: 0.01 μ H-9999H
	Q: 0.0001 - 9999	Q: 0.0001 - 9999
	C: 0.01pF - 9999 μ F	C: 0.01pF - 9999 μ F
	θ (deg):-179.99° -179.99°	θ (deg):-179.99° -179.99°
	R,Z:0.0001 Ω - 99.99M Ω	R,Z:0.0001 Ω - 99.99M Ω
	θ (rad):-3.1416 - 3.1416	θ (rad):-3.1416 - 3.1416
	D: 0.001 - 9.999	D: 0.001 - 9.999
Source Resistance	100Ω	
Range	Automatic or Manual	
Maximum reading	5 bits of main parameter and 5 bit display of sub parameter	
Signal Level	0.6Vrms	
Test Speed	4 times/second, 1.5 times/second	
Comparator	1 sets, compare main parameters	
Adjustment	Open/short scan frequency reset for each range	
Interface	Build-in Mini-USB interface (virtual interface) Charging interface	
Others	2.8 inch real color 16M color TFT-LCD display; touch screen, data retention function; USB communication, compatible SCPI instruction set; middle and English switching; backlight adjustment; automatic shutdown	
Power requirements	Input : 100-240V~50/60Hz 0.35A Output : 9V 1A DC 7.4V, Li, 1300mAh Rechargeable battery	
Size and weight	Size (mm) : 91(W)x194(H)x40(D) weight : 410g	
accessories	JK825A Four end Kelvin test clips JK825c DC Injector ,JK825B lithium battery , Mini-USB Communication cable	
Optional Accessories	JK825D Tweezers fixture	

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JK2811B LCR digital bridge is the latest development of the company's low-frequency component measurement of the replacement products, of which a number of components used to measure the latest technology, LCD display, easy operation, beautiful appearance. It can meet the needs of quality assurance, incoming inspection and automatic production. The RS232C interface can provide users with remote control and test data statistics and analysis.

Performance characteristics

- 192*64 backlight dot matrix LCD display
- A reasonable combination of simple operation and powerful function
- Fast measuring speed (80ms/ times)
- Good readings are stable
- Two kinds of output impedance of 30 Ω and 100 Ω
- Five gear sorting and HANDLER interface

Technical parameter

Model	JK2811B
Test parameters	L-Q, C-D, R-Q, IZI-Q
Basic accuracy	0.1%
equivalent circuit	Series, parallel
Mathematical function	Absolute deviation, percentage deviation
Range mode	Auto, hold
Trigger mode	Internal, manual, external
Test speed	Fast: 18, medium speed: 8, slow: 2.5 (second / second)
Calibration function	Open circuit / short circuiting zero
Test end configuration	Five end
Display mode	Direct reading, Δ%
Display	192*64 LCD display
Test signal frequency	100Hz,120Hz,1kHz,10kHz
Output impedance	30 Ω , 100 Ω
Test signal level	0.1Vrms, 0.3Vrms, 1Vrms
Measurement range	IZI, R 0.0001 Ω — 99.999 MΩ C 0.01 pF — 99999 μ F L 0.01 μ H — 99999 H D 0.0001 — 9.9999 Q 0.0001 — 9999.9 Δ% -999.99% — 999.99%
Comparator	NG, P1, P2, P3, Four grade separation and press noise
Interface	RS232C, Handler optional
Working temperature and humidity	0° C—40° C, £90%RH
Power requirements	Volatge 99V—121V, 198V—242V frequency 47.5Hz—63Hz
Power waste	≤20 VA
Szie (W × H × D) weight	308mm*105mm*310mm ,about 3.5kg

Product introduction:

JK2817B, JK2811C general high frequency LCR digital bridge is the latest generation of new component parameter testing instruments. This product integrates the mature experience of our company's component testing for many years, and applies the latest testing technology in this field. The powerful testing function and superior measurement performance make the product squeeze into the international advanced level, and give the customers the enjoyment of excess value at low price.The product can provide stable 5 bit test resolution, 50Hz–100kHz/ frequency range, 0.1V 0.3V 1V programmable signal level, up to 12 times per second measurement speed, 5 level range, constant 30 Omega or 100 Omega internal resistance and flexible human nature, which can meet production line quality assurance, stock inspection and laboratory accuracy measurement. Requirement。

Performance characteristics:

192 x 64 dot matrix graphics LCD display
Humanized operation interface, simple operation
50 Hz – 100 kHz, a total of 20 typical test frequencies
Stability and accuracy of horizontal measurement
The resolution of the 5 bit readings can reach the fastest speed of 12 times per second
30 Ω /100 Ω signal source output impedance
Internal comparator, 4 gear sorting and file counting
Keyboard locking function
Handler(optional), RS–232C interface (optional)

Technical parameter

Model	JK2817B	JK2811C
Test parameters	|Z|, C, L, R, D, Q,	L–Q, C–D, R–Q, |Z|–Q
Display	192 x 64 dot matrix LCD display, 6 bit reading resolution	192*64 Backlight dot matrix LCD display
Test frequency	50/60/80//100/120/200/400/500/800/1k/2k/4k/5k/80k/10k/ 20k/25k/40k/50k/100k A total of 20 typical frequencies	100Hz,120Hz,1kHz,10kHz,
Test level	0.1V 0.3V 1V	
Basic accuracy	0.1%	0.2%
Display range	|Z|, R, X: 0.0001 Ω — 99.999MΩ C: 0.001 pF — 99999 μ F L: 0.001 μH — 99.999 kH Q: 0.0001 — 9.9999 D: 0.0001 — 9.9999 Δ% : 99.999%— 99.999%	|Z|, R0.0001 Ω — 99.999 MΩ C 0.01 pF — 99999 μ F L 0.01 μH — 99999 H D 0.0001 — 9.9999 Q 0.0001 — 9999.9
Measuring speed	Slow: 1.5 times / sec, medium speed: 5 times / sec, fast: 12 times / sec.	
equivalent circuit	Series, parallel	
Range mode	Auto, keep	
Trigger mode	Internal, manual, external	
Correction function	Open circuit, short circuit,	
Measuring end	5	
Display mode	Direct reading , Δ%, ,Grade and file count	
Sorting	Four stalls (The third gear is qualified. One gear is unqualified.), There is another attached gear	
interface	RS–232C, HANDLER,(optional)	
Working temperature, humidity	0℃ — 40℃, ≤90% RH	
Power requirements	198 V — 242 V AC, 47.5 Hz — 52.5 Hz, Power waste ≤50 VA	
Size (W x H x D)/weight	308 mm x 105 mm x 310 mm ,about 4.5 kg	

Product introduction:

HOT SALES JK2817N general high frequency LCR digital bridge is the latest generation of the new generation of component parameters testing instrument. This product is controlled by high performance ARM microprocessor. The real color 4.3 inch LCD is more convenient in Chinese and English display operation, and is the upgrading and replacement product of JK2817B.And can be equipped with USB interface, strong testing function and superior measurement performance to make the product in the international advanced level, combined with low prices will give customers the enjoyment of value.The product can provide a stable 5 bit test resolution, 50Hz–100kHz/ frequency range, 0.1V 0.3V 1V programmable signal level, up to 12 times per second measurement speed, 5 level range, Constant 30Ω or 100Ω internal resistance And the operation mode of flexible humanity can meet the requirements of quality assurance, incoming inspection and high precision measurement of the production line.

Performance characteristics:

4.3 inch TFT LCD display
50 Hz~100 kHz, a total of 34 typical test frequencies
The resolution of the 5 bit readings can reach the fastest speed of 12 times per second 30 Ω/100 Ω signal source output impedance
Internal comparator, 10 gear sorting and file counting function
Voltage and current monitoring function
Support U disk file storage, U file can be upgraded through the file program
Keyboard locking function
Soft power switch

Technical parameter

Model	JK2817N
Test parameters	IZI,IAI,C,L,X,B,R,G,D,Q,
Display	4.3 inch TFT LCD display ,5 bit reading resolution
test level	0.1V 0.3V 1V
Basic accuracy	0.1%
Display range	IZI, R, X: 0.0001 Ω — 99.999MΩ C: 0.001 pF — 99999 μF L: 0.001 μH — 99.999 kH Q: 0.0001 — 9.9999 D: 0.0001 — 9.9999 Δ%: 99.999%— 99.999%
Measuring speed	Slow: 1.5 times / sec, medium speed: 5 times / sec, fast: 12 times / sec.
equivalent circuit	Series, parallel
Range mode	Auto, hold
Trigger mode	Internal, manual, external, bus
Correction function	Open circuit, short circuit,
Measuring end	5
Display mode	Direct reading, Δ%, Grade and file count
	10 gear sorting
storage	CSV Data files, screenshots (GIF images)
Interface	RS-232C, HANDLER,
Accessories	Random accessories: 4 terminal Kelvin test cable,option: SMD test tongs
Working temperature, humidity	0℃ — 40℃, ≤90% RH
Power requirements	198 V — 242 V AC, 47.5 Hz — 52.5 Hz , power waste: ≤50 VA
Size (W×H×D)	Upper frame size (mm):215(w)*88(H)*335(D) Shape size (mm):235(w)*105(H) *360(D)
Weight	Weight : 3.6kg

JK2826 high precision digital bridge is a kind of multifunctional component parameter tester for testing various electronic components. Using 7 inch 800x480 color TFT LCD. High speed, stable. 20Hz-5MHz multi frequency points and 0.05% accuracy can meet the require-ments of production line quality control, incoming inspection and laboratory measurements.

Performance characteristics

■New 32 bit core processor, data than foreign first-class equipment ■7 inch color TFT display ■20 - Hz5MHz test frequency
■0.05% - Basic measurement accuracy, test speed (75 times / sec) ■Automatic level control ALC function - Test of voltage or current.
■Graphics scanning analysis function, support frequency / level / offset scan, insight into the measured characteristics.
■-Multi - parameter test function ■30Ω, 50Ω,100Ω,10/CC, four different 10/CC signal source output impedance
■Built in comparator, 10 file sorting and counting function ■10 - point list scan function ■- 0V, 1.5V and 2V internal DC bias voltage
■100 sets of internal settings file , U disk 500 sets of test files to save or call
■The software can be upgraded and updated through the U Disk ■Optional + 5V (+ 100mA) or 1A DC bias voltage source DC bias source
■U disk copy screen, real-time data storage, which can support the FAT16 format, FAT32 file system
■Standard RS232C, USB HOST, USB DEVICE, HANDLER, Earphone interface, foot switch interface, optional GPIB, LAN

Technical parameter

Model		JK2826
Test frequency		20 Hz—5MHz，0.01Hz Resolving power
Test parameters		|Z|, |Y|, C, L, X, B, R, G, D, Q, θ,DCR
Basic measurement accuracy		0.05%
Equivalent circuit		Series connection, parallel connection
Math function		Absolute deviation, Percentage deviation
Range mode		Automatic, keep, manual selection
Trigger mode		Inside ,manual, outside, bus
Test speed（≥1kHz）		High speed: 75 times/sec, Medium speed: 12 times/sec,Slow speed: 3 times/sec
Average number		1—255
Delay time		0—60s, steeping by 1ms
Calibration function		Open circuit/ short circuit/ load
List scan		10 point list scan function
Display mode		Direct reading ，Δ，Δ%，V/I（Voltage / current monitor）
Monitor		800×480 RGB7 inch 16: 9 TFT LCD display
Test signal		
Output impedance		30 Ω, 50 Ω,100 Ω, 10 /CC optional
Test signal level		normal：5 mV—2 V accuracy ： 10%，stepping by 1 mV constant level：10 mV—1 V ,accuracy：5%，stepping by 1 mV
DC bias source	inside	0V，1.5V，2V，accuracy：1%
	Matching	±5V（±100mA）DC bias source matching
		1A：0-1A The DC bias source.
Display range		
|Z|, R, X		0.01mΩ —99.9999 MΩ
DCR		0.001 mΩ —99.9999 MΩ
|Y|, G, B		0.00001μS —99.9999S
C		0.00001pF —9.9999F
L		0.00001μH —9999.99H
D		0.00001 —9.9999
Q		0.00001 —9999.9
θ(DEG)		-179.999° —179.999°
θ(RAD)		-3.14159 —3.14159
Others		
Comparator function		Ten files: (nine files qualified, a file failed), and another AUX file
Multi parameter		Can choose any of the four parameters at the same time measurement & display
Curve scan function		A variety of test conditions, the image of the specimen to be scanned
storage		Internal storage, USB extended storage
interface		Standard configuration RS232C、HANDLER、USB HOST，USB DEVICE、Earphone interface、foot switch interface；optional GPIB、LAN
size		375mm(width）*135mm（height）*350mm(length）
N/W		About 7kg

JK2828 high precision LCR Meter is a kind of multifunctional element parameters for the various electronic components inspection tester。 With 7 inches 800 x480 color TFT LCD display, High speed and stability and more than 20 Hz – 1MHz frequency point and the accuracy of 0.05%, JK2828 is used for incoming inspection of components, quality of product line and goods inspection and laboratory measurement requirements etc.

Features

- Brand new 32-bit processor core, data completely foreign first-class equipment
- 7 inch true color TFT screen
- 20Hz—1MHz test frequency
- 0.05% of basic measurement accuracy, fast test (75 times/SEC)
- Graphics scanning analysis function, support/level/frequency /offset scan, insight into a feature to be tested/。
- Multi-parameter testing capabilities。
- The test voltage or current automatic level control of ALC function
- 30 Ω, 50 Ω,100 Ω,10/CC four different signal source output impedance
- The built-in comparator,10 bins and bin counters
- 10 spots list sweep function
- Internal 100 group set file, 500 U disk test file can be saved or invocation
- 0V, 1.5V and 2V internal DC bias voltage
- optional ±5V（±100mA）and 1A internal DC bias source
- Can be upgrade and update by U disk instrument software version
- U disk print screen, real-time data save, can support format FAT16, FAT32 file system
- Standard configuration:RS232C、USB HOST、USB DEVICE、HANDLER、Headphone Jack，Footswitch Jack; Optional :GPIB、LAN

Technical parameter

Model		JK2828	JK2819
Test frequency		20 Hz—1MHz，0.01Hz resolution	20Hz—500kHz，0.01Hz resolution
Test parameter		|Z|, |Y|, C, L, X, B, R, G, D, Q, θ ,DCR	
Basic test accuracy		0.05%	
Equivalent circuit		Series ,parallel	
Mathematical function		Absolute value deviation, percentage deviation	
Range mode		Auto, Hold, manual	
Trigger mode		Internal, Manual, External, Bus	
Measurement speed（≥1kHz）		Fast: 75 time/second, Med: 12 time/second, Slow: 3 time/second	
Averaging rate		1-255	
Delay time		0-60s, n 1 ms step by step	
Correction function		Open ,short, load	
List sweep		10 points	
Display mode		Direct，Δ，Δ%，V/I（V/I monitor）	
Display		800 x 480 RGB7inch 16: 9 TFT LCD display	
Test signal			
Output impedance		30 Ω, 50 Ω,100 Ω, 10 /CC selectable	
Test level		Normal：5mV—2 V Accuracy：10%，with step of 1 mV Constant level：10mV—1 V accuracy：5%，with step of 1 mV	
DC bias source	interior	0V，1.5V，2V，Accuracy：1%	
	option	±5V（±100mA）Dc bias source option 1A：0-1A Dc bias current source option	
Display range		|Z|, R, X 0.01mΩ —99.9999 MΩ DCR 0.001 mΩ —99.9999 MΩ |Y|, G, B 0.00001μS —99.9999S C 0.00001pF —9.9999F L 0.00001μH —9999.99H D 0.00001 —9.9999 Q 0.00001 —9999.9 θ (DEG) -179.999° —179.999° θ (RAD) -3.14159 —3.14159	
Comparator function		10 bins: 9 pass bin, 1 fail bin, AUX bin	
Multiparameter		Four parameters can be chosen optionally measure and display at the same time	
Curve scanning function		A variety of test conditions, the piece to be measured for graph scanning separation	
Memory		Internal storage、USB extended storage	
Interface		Standard : RS232C,HANDLER,USB HOST, USB DEVICE,headphone jack,Solid interface; Optional : GPIB、LAN	
Size /weight		375mm(W) *135mm (H) *350mm(L) ,about 7 kg	
Standard Accessories		26011B 4 terminal Kelvin test clip leads26005B 4 terminal test fixture26010 gilded shorting plate	
Optional Accessories		26009B SMD test fixture26008A MD Test box26010 gilded shorting plate RS232 Communication software customization	

Customer service telephone: 400-1128-155 or login to our website www.jk17.com

JK2830 is a new generation of low cost, high-performance and compact LCR digital bridge. Using the latest technology and high density circuit design, it concentrates the essence of the large LCR tester, compact and compact.Abolish the traditional mechanical power switch and use software to control the power switch.0.05% basic accuracy and good test stability can be comparable to high-end models.Equipped with 4.3 inch LCD display and new up-graded interface system. Beautiful and easy to operate.The instrument provides a rich interface and is compatible with the standard SCPI instruction. It can easily form various testing systems to meet the needs of inspection, production and scientific research.

Performance characteristics

- Low cost, high performance, small volume LCR tester
- 4.3 inch TFT LCD display
- Soft power switch
- Optional operating interface in English and Chinese
- Maximum 200kHz test frequency
- 6 bit readings resolution
- 10mVrms-2.0Vrms Programmable test level。Built-in 0- + 5V/50mA bias source
- Maximum test speed 13ms/ times
- DCR Test function,50mV-2V,Programmable test level, resolution 10mΩ
- Ls-Rd/Lp-Rd function (L, Rd is displayed simultaneously)
- 30Ω、100Ω signal source impedance
- Voltage and current monitoring and automatic level adjustment function
- Built-in comparator, 10 gear sorting and counting function
- It supports U disk file storage and can be upgraded by U disk.
- RS232,RS485,USB,HANDLER,GPIB interface

Technical parameter

Model		JK2830	JK2831	JK2832
Display		4.3 TFT LCD display 480*272		
Basic measurement readiness	LCRZ	0.05%	0.05%	0.05%
	DCR	0.10%		
Test signal frequency		50Hz-100kHz ,0. 01Hz step	50Hz-200kHz, 37 points	20Hz-200kHz, 0.01Hz step
Signal source output impedance		30Ω、100Ω		
AC Test signal level		10mV-2Vrms		
RDC Test signal level		1V DC	1V DC	5mV-2V DC
DC Bias voltage source		----		0mA-- ±5V/0mA -- ±50mA
LCR Meter Test parameters	Basic	L、C、R、|Z|、D、Q、|Y|、G、X、 θd、θr、RDC、Vm、Im、△%		
	Transformer	DCR1 (primary, 2-terminal), DCR2 (secondary, 2-terminal), M (mutual inductance) N, 1/N, phase (phase), Lk (leakage inductance), C (primary and secondary capacitance)		
Measurement speed (ms/ times)		High : 12.5ms, medium speed: (83ms)slow: (167ms)		
equivalent circuit		Series, parallel		
Range mode		Auto, keep		
Trigger mode		Internal, manual, external, bus		
Average number of times		1-255		
Clear function		Open circuit, short circuit, load		
Mathematical operation		Direct reading, △ABS, △%		
Trigger delay setting		0--60.000s, 1ms step		
Step delay setting		0--60.000s, 1ms step		
List scan		201 point， Scanning parameters: Test frequency、AC voltage、AC current、DC BIAS voltage、DC BIAS current		
Graphic scanning analysis		no		
Unique function		L-RDC At the same time test, soft power switch, one button screen function, data recording function.		
Comparator function		10 gear sorting ,BIN1∽BIN9、NG、AUX		
		gear counting function		
		PASS,FALL Front panel LED display		
Internal nonvolatile memory		100 sets of LCRZ instrument set file ,201 test results		
External USB memory		Instrument settings files, CSV data files, screenshots (GIF images)		
Interface		HANDLER (control interface), USB HOST,RS232C,RS485(optional), GPIB(optional)		
Size / weight		Upper frame size：215mm（W）*88mm（H）*336mm（D）		
		Shape size：236mm（W）*105mm（H）*363mm（D）		
		Weight：3.9kg		

JK628 Handheld DC Low Resistance Tester

JK628 handheld DC low resistance tester is a high precision and wide range portable handheld instrument controlled by high performance 32-bit ARM micro-processor. The built-in large capacity lithium battery can measure passive components accurately and conveniently in any situation for a long time.JK628 is equipped with 5.6 "high-definition color LCD display, large font display is more convenient for you to read data.he instrument can measure the resistance of 10μΩ～200KΩ with a maximum display number of 20,000.It has a current test mode that can be adapted to different requirements of the test. It is equipped with Mini-USB communication interface for remote control and data acqui-sition and analysis.JK628 hand-held low resistance tester can measure various high, medium and low value resistors. JK628 hand-held low resistance tester is widely used in various kinds of switching contact resistance; connector insertion resistance; relay package and contact resistance; transformer, inductor, motor, deflection coil winding resistance; wire resistance; metal riveting resistance of car, ship and aircraft printed board line and hole resistance'.

Performance characteristics

- 10uΩ resolution
- Four-wire test rod and four-wire crocodile clamp (to offset the contact resistance on the line), thus providing high-precision measurement;
- The upper and lower limits can be set for comparative measurement to facilitate component sorting and automatically judge whether the measurement object is qualified or not.
- Built-in rechargeable lithium battery, long service life;
- 1000 pieces of data can be saved, read and deleted.
- USB Data Transfer (Installation-Free Driver) and Bidirectional Data Exchange with PC
- Data retention function, keep measurement results, read at any time
- LCD backlight function, can also effectively read in dark environment
- ZERO Zero Clearing Function, Relative Value Measurement Mode
- IND Inductive Resistance Measurement Mode

Technical parameter

Model	JK628
Measurement parameters	DC Resistance
Basic accuracy	0.1%
Measuring range	10μΩ～200KΩ
Signal source	Maximum Current: <1A Current Mode: Large Current
Range	Seven-Range Automatic, Manual and Nominal Testing
Measuring speed	3 times / second
Display results	Absolute deviation (ABS) comparison, relative deviation (PER) and sequence (SEQ) comparison
Maximum reading	20000
Correcting	Full Range Short Circuit Zero Clearing Function
comparator	Built-in sorting records, GD/NG sorting results
Trigger mode	Internal, manual
Interface	Built-in Mini-USB interface (virtual serial port)
Temperature compensation	No
Test Port	4-terminal shielding (including 2 detection terminals and 2 driver terminals) and external shielding ground terminal
Power requirements	Input : 100-240V~50/60Hz 0.35A Output:DC9V 1A , 8.4V, 2200mAh lithium battery
Size and weight	Size (mm) : 130.23 (W)x210.76(H)x37.88 (D),weight : 650g
Accessories	Four-terminal Kelvin test clamp, DC power adapter, portable bag, lithium battery
Optional Accessories	Mini-USB Communication cable, data acquisition software
Other	3.5 inch true color 16M TFT-LCD large font display; Keyboard lock, data retention function;Compatible with SCPI instruction set;Switching between Chinese and English; Backlight adjustment; Automatic shutdown

Product introduction:

JK2511,JK2512 DC low resistance tester is an intelligent, wide range, precise DC resistance testing instrument, which is suitable for copper resistance of transformer and inductance coil, contact resistance of relay, switch, contact resistance of connector, wire resistance, contact resistance of element solder, electric resistance of printed board and welding hole, metal flaw detection and so on. Used in the production line, you can use the HANDLER interface and GPIB interface (optional) good / bad product output signal, in order to improve the automation of production line testing ability.

Features

High measurement speed

Easy operation

Direct in reading

Highly precise and better cost effectiveness.

Minute extension

Application:

The whole series of DC low resistance tester is stable and easy to use. It is suitablefor copper resistance of transformer and inductance coil, contact resistance of relay, switch, contact resistance of connector, wire resistance, contact resistance of element welding spot, printed board line and welding hole resistance, metal flaw detection, etc.

Technical parameter

Model	JK2511	JK2512	JK2512A
Basic accuracy	0.1% Reading + 2 words	0.05% Reading + 2 words	0.1% Reading + 2 words
Display range	0.01 mΩ — 1.9999 KΩ	0.01 mΩ —199.99 kΩ	0.001 mΩ — 1.999 MΩ
Test current	100 mA,10 mA,1 mA,100 μA,10 μA,1 μA	100 mA, 10 mA, 1 mA, 100 μA, 10 μA	1 A, 100 mA, 10 mA, 1 mA, 100 μA
Range	20 mΩ, 200 mΩ, 2 Ω, 20 Ω, 200 Ω, 2 kΩ,	200 mΩ, 2 Ω, 20 Ω, 200 Ω, 2 kΩ, 20 kΩ, 200 kΩ	20 mΩ, 200 mΩ, 2 Ω, 20 Ω, 200 Ω, 2 kΩ,20 kΩ
Range resolution	10 μΩ, 100 μΩ, 1 mΩ, 10 mΩ, 100 mΩ,	10 μΩ, 100 μΩ, 1 mΩ, 10 mΩ, 100 mΩ, 1 Ω, 10 Ω	1 μΩ, 10 μΩ, 100 μΩ, 1 mΩ, 10 mΩ, 100 mΩ, 1 Ω
Measurement speed (meas /sec)	Fast: 10, Slow: 2.5		
Range mode	Auto, Hold		
Trigger mode	Internal, Manual, External		
Function	Top/bottom limitation, pass or reject, ranged locking, reset and data protection for power down function		
Interface			RS-232C HANDLER, GPIB(option)
Working temperature, humidity	0℃ — 40℃, ≤90% RH		
Power requirements, power waste	198 V — 242 V AC, 47.5 Hz — 52.5 Hz, Power waste≤30 VA		
size(W × H × D),weight	270 mm × 110 mm × 330mm, about 3.3 kg		

Specifications

Basic Accuracy	0.1%Of Reading + 2 Counts
Display Range	0.001 MΩ —19.99 KΩ
Measuring Current	1 A, 100 Ma, 10 Ma, 1 Ma, 100 MA,10MA
Range	20 MΩ, 200 MΩ, 2 Ω, 20 Ω, 200 Ω, 2 KΩ,20 KΩ
Range Resolution	1 Mω, 10 Mω, 100 Mω, 1 MΩ, 10 MΩ, 100 MΩ, 1 Ω
Measuring Speed	(Meas/Sec)Fast: 10, Slow: 2.5
Ranging	Mode Auto , Keep
Function	On/Lower Limit Set, Pass/Fail, Range Lock, Zero, Data Protection
Interface	HANDLER

Operation Temperature And Humidity	0℃ —40℃, ≤90% RH
Power Requirements	198 V —242 V AC, 47.5 Hz —52.5 Hz
Power Consumption	≤30 VA
Dimensions (W×H×D)	270 Mm×110 Mm×330mm
Weight	3.3 Kg Approx

The Terminals Are Defined In The Following Table:

PIN	Signal Name	Introduction
1	TF	Test End Signal
2	RESET	Qualified Switch Output
3	OUTPUT	Unqualified Switch Output
4	OUTPUT	Busy
5	EXT。TRIG	External Trigger Signal：Low Level Trigger（2ms~20ms）
6	+V（Approx 15V）	Separate The Internal Power（Load Capacity：100ma）
7	N.C	RS232 Interface Standby（Connect RS232 PIN7）
8		RS232 Interface Standby（Connect RS232 PIN8）
9	GND	Relative To +V，Segregate Inner Power。

Customer service telephone: 400-1128-155 or login to our website www.jk17.com

Brife Description

JK2516 series are high precision DC resistance testers.It can be used to detect coil, inductance, transformer, motor, relay contact resistance, connector resistance, fuse, cable resistance, printed circuit resistance, welding hole resistance, conductive film, metal flaw detection and so on.It is a low resistance tester with high speed, high precision and high performance. It can meet the quality assurance of production line, import inspection and laboratory measurement, and also can be applied to the test of automatic equipment.

Features

* The new 32 bit core processor, the data is better than foreign first-class equipment.
* 4.3 inch (LCD resolution 480*272) true color TFT display
* U disk directly saves test results, and saves more conveniently.
* The basic measurement accuracy of the maximum 0.05%
* Built-in comparator, HI, LO, IN
* The more than 100 sets of internal files are saved or invoked, and the U disk can extend more than 500 sets of test files to save or call.
* Through USB HOST, we can upgrade and update the software version.
* U disk support format FAT16, FAT32 file system
* It is equipped with HANDLER, USB HOST, USB DEVICE, RS232C and GPIB interface.

Technical parameter

Model	JK2516	JK2516C	JK2516A
Measuring Range	0.1μΩ-1.0GΩ	0.1μΩ-110MΩ	1μΩ-2MΩ
Basic accuracy	0.05% >110M: 0.5%		
Reading	6 1/2 digit Maximum 1150000 Number display digits		
Measuring speed	4-35 time/second		
Measuring Mode	Temperature compensation, routine, benchmark		routine,benchmark
Range mode	Automatic, hold, manual selection		
Trigger mode	Internal, manual, external		
Delay time	0—9999ms, step by 1ms		
Calibration function	Short circuit zero, zero, load correction		
Temperature measurement	-10.0℃~-99.9℃, sensor: PT100 Accuracy: 0.2℃		
Temperature compensation function	Yes (resistance measured value converted to resistance value at set temperature)		
Test terminal configuration	Four terminals (2 detection terminals + 2 drive terminals) and external shield ground		
Display mode	Direct reading, Δ%		
Range(current): Test Range	10mΩ~1000MΩ 12 ranges	10mΩ~100MΩ 11 ranges	10mΩ~1MΩ 9 ranges
Sorting	3 ranges, absolute/percentage		
Display	24 true color, resolution of 480×27 TFT LCD		
Storage	More than 100 groups of internal storage, U disk more than 500 groups		
Interface	Standard RS232C HANDLER、USB HOST		
Standard accessories	JK26050S Test cable, power cord, warranty card, communication software		
Optional accessories	26009BSMD Test clamp 26008ASMD Test box communication software customization		
Size	Upper frame size: 215mm×87mm×335mm Shape size: 235mm×105mm×360mm		

◆JK2516B/2516C DC resistance tester

Upper frame size: 215mm × 87mm × 335mm **Shape size**: 235mm × 105mm × 360mm **N/W**: 4KG

Brief introduction

JK2516Bis a high precision DC resistance tester.It can be used to detect coil, inductance, transformer, motor, relay contact resistance, connector resistance, fuse, cable resistance, printed circuit resistance, welding hole resistance, conductive film, metal flaw detection and so on.It is a low resistance tester with high speed, high precision and high performance. It can meet the quality assurance of production line, import inspection and laboratory measurement, and also can be applied to the test of automatic equipment.

Performance characteristics

- The new 32 bit core processor, the data is better than foreign first-class equipment.
- 4.3 inch (LCD resolution 480*272) true color TFT display
- U disk directly saves test results, and saves more conveniently.
- The basic measurement accuracy of the maximum 0.05%
- Built-in comparator, HI, LO, IN
- The more than 100 sets of internal files are saved or invoked, and the U disk can extend more than 500 sets of test files to save or call.
- Through USB HOST, we can upgrade and update the software version.
- U disk support format FAT16, FAT32 file system
- It is equipped with HANDLER, USB HOST, USB DEVICE, RS232C and GPIB interface.

Technical parameter

Model	JK2516C	JK2516A	JK2516B
measuring range	0.1μΩ-110MΩ	10μΩ-200kΩ	1μΩ-20kΩ
Basic accuracy	0.05%+2 words(2MΩ range accuracy is 0.2%, 20mΩ range accuracy is 0.1%)	0.05%+2 words	0.05%+2 words(2MΩ range accuracy is 0.2%, 20mΩ range accuracy is 0.1%)
Reading	4 1/2		
Measuring speed	High speed: 22ms, Medium speed: 42 ms, Slow speed: 102 ms; The above shows the speed at the time of closing. When the display is opened, the display time is 10 ms.		
Range mode	Automatic, hold, manual selection		
Trigger mode	Internal, external	Internal, manual, external, bus	Internal, external
Average number of times	1—255		
Delay Time	0—9999ms,Step by 1ms		
Calibration function	Short circuit zero, zero, load correction		
temperature measurement	-10.0℃~-99.9℃, sensor: PT100		
Temperature compensation function	yes(Resistance measurement value is converted to set temperature)	no	no
Test end configuration	four		
Display mode	Direct reading, Δ%		
Range (test current): test range	20mΩ (1A) : 1μΩ~20mΩ 200mΩ (100mA) : 20mΩ~200mΩ 2Ω (100mA) : 200mΩ~2Ω 20Ω (10mA) : 2Ω~20Ω 200Ω (1mA) : 20Ω~200Ω 2kΩ (100μA) : 200Ω~2kΩ 20kΩ (100μA) : 2kΩ~20kΩ 200kΩ (10μA) : 20kΩ~200kΩ 2MΩ (1μA) : 200kΩ~2MΩ	200mΩ (100mA) : 20mΩ~200mΩ 2Ω (100mA) : 200mΩ~2Ω 20Ω (10mA) : 2Ω~20Ω 200Ω (1mA) : 20Ω~200Ω 2kΩ (100μA) : 200Ω~2kΩ 20kΩ (100μA) : 2kΩ~20kΩ 200kΩ (10μA) : 20kΩ~200kΩ	20mΩ (1A) : 1μΩ~20mΩ 200mΩ (100mA) : 20mΩ~200mΩ 2Ω (100mA) : 200mΩ~2Ω 20Ω (10mA) : 2Ω~20Ω 200Ω (1mA) : 20Ω~200Ω 2kΩ (100μA) : 200Ω~2kΩ 20kΩ (100μA) : 2kΩ~20kΩ
Sorting	3, absolute value / percentage		
Low voltage measurement	Open circuit voltage ≤40mV,effective range: 2Ω, 20Ω,200Ω,2kΩ.		no
display	24 true color, resolution of 480 x 272 TFT LCD, with touch screen function		
storage	More than 100 groups of internal storage, U disk more than 500 groups		
interface	standard configuration HANDLER、USB HOST, USB DEVICE, GPIB、RS232C interface optional		
Standard Accessories	26004-1Four terminal Kelvin test cable		
Optional Accessories	26009BSMD est fixture 26008ASMD Test box communication software customization		

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Performance characteristics>>

1、Capacitive load realizes fast charging and discharging.

2、The test is stable and no additional shielding wire is needed.

3、Connection detection function of measured parts to prevent open-circuit misjudgment.

4、Short circuit detection before test to prevent high voltage breakdown.

5、Continuous test mode, PASS termination mode, FAIL termination mode and forced termination mode.

6、Rich interface, suitable for pipeline sorting.

Technical parameter

Test parameters	insulation resistance
Test range	0Ω to 9000MΩ (5 ranges)
Basic accuracy	±2% rdg. ±5 dgt. ±2 % rdg. ±5 dgt. 25 V ≦V < 100 V [0～20 MΩ], 100 V ≦V < 500 V [0～20 MΩ], 500 V ≦V ≦1000 V [0～200 MΩ]
Test voltage	25~1000V DC 1.8mA
Testing speed	50ms(fast)/500ms(slow)
Connection exception display	High Voltage End Open Circuit "ContHi"、Low Voltage End Open Circuit"ContLo"、Output end all Open Circuit "ContHL"
Short circuit anomaly display	"SHORT"
Out-of-range display	Range under "UNDER.F", range over"OVER.F"
discharge current	10mA Constant current discharge
comparator	PASS/L.FAIL/U.FAIL
Setting up Data Save	Recordable 10 sets of data panel settings
Trigger	IO Trigger, Manual Trigger, Bus Trigger
IO Interface type	Configurable as PNP or NPN
Interface	External IO Interface/Analog Output Interface/LAN Interface/Rs232 Interface Buzzing sound,PASS/U.FAIL/L.FAIL LED light, UL_FAIL,U.FAIL/L.FAILLighting at the same time, EXT. I/O output、Obtaining the Decision Result by RS-232C
power supply Voltage	100V ~ 240V AC frequency: 50Hz/60Hz
Size and weight	(w* h * d): 235mm x 105mm x360mm weight: 2kg
Accessory	JK9921/JK9800/JK9600

JK2686 electrolytic capacitor leakage current tester is a kind of measuring instrument which is based on the micro processing technology. The test voltage can be adjusted continuously, the voltage three digit display, the current three - and a half digital display, charging - test automatic conversion, Maximum test voltage 500V maximum test current 20mA, maximum charging current 200mA, maximum charging time of 99.9 seconds. The instrument has the characteristics of current limit indication, fast test speed, easy operation, safety and reliability. Applicable to all kinds of electrolytic capacitor production line quality certificate, incoming inspection requirements.

Technical parameter

Model	JK2686
Test voltage	0 ~ 200 V, 0 ~ 500 V
Voltage accuracy	±1% Set value±1 word
Measuring range	10 nA ~ 19.99 mA, Resolving power: 1 nA
Current accuracy	±2% reading ±2 words
Control mode	Microprocessor
Display mode	Digital display ,voltage: 3， current: 3 1/2
Maximum charge current	200(1±20%) mA
Charging time	0 ~ 99.9 second, accuracy: 2%Tset ±0.5second
Limit setting	0 — 99×10^9 (nA)
Sorting	Qualified, unqualified, unqualified message
General technical index	
Working temperature, humidity	0℃ — 40℃, ≤90% RH
Power requirements	198 V — 242 V AC, 47.5 Hz — 52.5 Hz
Power waste	≤50 VA
Size(W×H×D)	350 mm×135 mm×357 mm

JK7110+ AC withstand voltage insulation tester
JK7122+ AC and DC withstand voltage insulation tester

Performance characteristics:

- ■Microcomputer digital design, simple operation and safe use
- ■AC maximum current: 20mA, DC maximum current: 10mA
- ■ Slow voltage rise function, in line with domestic and foreign safety standards
- ■ Judgment display of various test results, intuitive and accurate
- ■Built-in PLC remote control interface
- ■Keyboard lock and memory group lock function
- ■Automatic conversion test mode of withstand voltage and insulation grounding
- ■The voltage rises according to the time gradient, and the breakdown point can be analyzed
- ■Upper and lower limits of current and resistance
- ■With arc detection function (according to level 1-9)
- ■15 test memory modes
- ■ Optional RS232C interface and PLC interface

Technical parameter

Model	7110+	7122+
Output Voltage	0～5kV(AC)±（2%+5V)	0～5kV(AC) 0～6kV(DC)±（2%+5V)
AC current upper limit	0.10～12.00mA ±（2%+2Counts)	0.01～20.00mA ±（2%+2Counts)
AC current lower limit	0.00～20.00mA ±（2%+2Counts)	0.00～20.00mA> ±（2%+2Counts)
DC current upper limit	------	0.01～10.00mA ±（2%+2Counts)
DC current lower limit	------	0.00～10.00mA ±（2%+2Counts)
Insulation resistance test voltage	------	100～1000V ±（2%+5V)
Insulation resistance	Only 7122+ has this function Range: (1-1000) MΩ Accuracy: ±(2% setting value + 2 words) Voltage≥500V DC ±(5% setting value + 2 words) Voltage <500V DC Range: (1000-5000) MΩ Accuracy: ±(5% setting value + 2 words) Voltage≥500V DC ±(15% setting value + 2 words) Voltage＜500V DC Range: (5000-9999) MΩ is the reference value	
LCD	16×2 lines backlit LCD display 16*2 LCD	
testing time	0.1～999.9s 5V ±（2%+0.05sec)	
Remote control	Input:Test,Reset Output:Pass,Fail,Test-in-Proess	
Test alarm	Buzzer, indicator light	
Correction method	Software calibration	
interface	RS232、PLC	
Memory device	It can memorize the setting values of voltage, current, resistance, time, etc.	
temperature /humidity	0℃～40℃,≤75%RH	
Standard accessories	26002A	

Program controlled pressure insulation tester

Performance characteristics

- The voltage increases according to the time gradient, looking for analysis breakdown point.
- Upper and lower limit setting of current
- Front panel software correction
- LCD display, menu boot operation
- Arc detection function (1–9 level)
- Keyboard locking function
- 5 groups of measurement and memory patterns
- The test time, voltage, current and resistance are displayed simultaneously.
- optional of RS232 and PLC interface
- Humanized design and simple operation

Technical parameter

Model	7110	7112	7120	7122
output voltage	0 ~ 5kV(AC) ± (2%+5V)		0 ~ 5kV(AC) 0 ~ 6kV(DC) ± (2%+5V)	
Upper limit of AC current	0.10 ~ 12.00mA ± (2%+2Counts)		0.10 ~ 12.00mA ± (2%+2Counts)	
Lower limit of AC current	0.00 ~ 12.00mA ± (2%+2Counts)		0.00 ~ 12.00mA> ± (2%+2Counts)	
Upper limit of DC current	----------		0.10 ~ 5.00mA ± (2%+2Counts)	
DC current lower limit	----------		0.00 ~ 5.00mA ± (2%+2Counts)	
Insulation resistance test voltage	----------	100 ~ 1000kV ± (2%+5V)	100 ~ 1000kV ± (2%+5V)	
insulation resistance	Only 7112 and 7122 have this function range : (1–1000) MΩ accuracy : ± (2% ± 2Counts) Voltage≥500V DC ± (5% ± 2Counts) Voltage≥500V DC range : (1000–9999) MΩ accuracy : ± (5% ± 2Counts) Voltage≥500V DC ± (10% ± 2Counts) Voltage≥500V DC			
Liquid crystal display	16 x 2 row backlight liquid crystal display			
Test time	0.1 ~ 999.9s5V ± (2%+0.05sec)			
Remote control device	Input:Test,Reset Output:Pass,Fail,Test–in–Proess			
Test alarm	Buzzer,Indicator light			
Correction method	Software correction			
Memory device	It can memorize voltage, current, resistance, time and other setting values.			
Temperature / humidity	0℃ ~ 40℃≤75%RH			
Size /weight	W x H x D:280mm x 100mm x 370mm / 10kg			
Standard accessories	26002A			

JK7122S is a multi-channel scanning withstand voltage insulation tester, which can output four-way, eight-way or sixteen-way AC and DC withstand voltage insulation test voltage. Time-sharing scanning test for multiple channels and simultaneous testing for multiple channels, which can quickly and accurately measure the withstand voltage insulation performance of electronic components, household appliances, transformers, lighting appliances, power tools, and heating appliances to improve testing effectiveness.

Performance characteristics

- The output voltage rises, maintains and falls according to the time gradient
- Three parameters test of AC withstand voltage, DC withstand voltage and insulation resistance
- It can realize continuous testing of single channel, time-sharing scanning test of multiple channels and simultaneous test of multiple channels
- 15 test memory modes
- With arc detection function
- Man-machine dialogue operation interface
- Simple connection and easy to use

Technical parameter

Model	JK7122S（4 channel）	JK7122S-8（8 channel）	JK7122S-16（16 channel）
Output voltage	0～5kV(AC) 0～6kV(DC)±（2%+5V)		
AC current upper limit	0.00～20.00mA±（2%+2Counts)		
AC current lower limit	0.00～20.00mA>±（2%+2Counts)		
DC current upper limit	0.01～10.00mA±（2%+2Counts)		
DC current lower limit	0.01～10.00mA±（2%+2Counts)		
Insulation resistance test voltage	100～1000kV±（2%+5V)		
Insulation resistance	Only 7122S have this function Range：（1-1000）MΩ Accuracy：±（2%±2Counts) Voltage≥500V DC ±（5%±2Counts) Voltage＜500V DC Range：（1000-9999）MΩ Accuracy：±（5%±2Counts) Voltage≥500V DC ±（10%±2Counts) Voltage＜500V DC		
LCD Monitor	16×2 lines back lit LCD		
Testing time	0.1～999.9s ±（2%+0.05sec)		
Sampling interval	500ms		
Remote control	Input:Test,Reset Output:Pass,Fail,Test-in-Proess		
Test alarm	Buzzer, indicator light		
Correction method	Software calibration		
Memory device	It can memorize the setting values of voltage, current, resistance, time, etc.		
Temperature/ Humidity	0℃～40℃≤75%RH		
Size and weight	W×H×D:280mm×100mm×370mm / 10kg		
Standard accessories	JK26002A		

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*Suitable for photovoltaic products, household appliances, medical equipment, audio-visual equipment, IT equipment, television equipment, transformers and motor transformers

*Voltage and insulation ground automatic conversion test mode

*The voltage is increased by the time gradient

*Set current and resistance limit

*With arc detection function (1-9 level)

*3 groups of test memory patterns

*Optional RS232C interface and PLC interface

Technical parameter

Withstand voltage test		
AC	Output voltage range	0.1kV-5kV
	Voltage step	1 0V
	Voltage accuracy	3%
	Voltage frequency	50Hz\60Hz
	Maximum output current	20mA
	Current setting	0.01mA-20mA
	Current resolution	0.01mA
	Current accuracy	3%
DC	Output voltage range	0.1kV-6kV
	Voltage resolution	10V
	Voltage accuracy	3%
	Maximum output current	10mA
	Current setting	0.01mA-10mA
	Current resolution	0.01mA
	Current accuracy	3%
Insulation resistance test		
IR	Voltage measurement range	500V-1000V DC
	Voltage resolution	100V
	Voltage accuracy	± (3% Reading+3V)
	Resistance measurement range	1MΩ-2000MΩ
	Resistance measurement accuracy	10%
	Upper limit of resistance setting	1MΩ-2000MΩ
	Lower limit of resistance setting	1MΩ-2000MΩ
Grounding resistance test (photovoltaic industry can be changed into DC grounding resistance test)		
GR	Voltage frequency	50Hz/60Hz
	Output current range	3A-30A AC
	Current resolution	0.01A
	Current accuracy	3%
	Current measuring range	1MΩ-300MΩ
	Resistance display resolution	1MΩ
	Resistance measurement accuracy	3%
	Resistance setting range	1MΩ-300MΩ(3-10A) 1MΩ-150MΩ(10-30A)

JK7142 AC/DC withstand voltage insulation tester
Three test functions can be selected： ACW, DCW, IR

- Large 128*64 Graphic LCD display
- The single machine can connect with the 7305 earth impedance tester and meet the standard 19 inch instrument rack.
- 100 online tests can be carried out at the same time
- Built in 10 sets of program memory, each group of 3 test steps can carry out the link test of program memory steps.
- The speed of communication is fast, the baud rate is up to 19600
- The quick discharge function can discharge the electric energy on the tested object in 0.2 seconds to ensure the safety of personnel.
- Anti high voltage electric shock function, it can interrupt output immediately when the body is touched by mistake.
- Open machine self detection function,It is possible to determine whether the test functions are normal before testing.
- Front panel software input correction
- Time and date setting, setting correction time and warning time to remind users
- Built in PLC Remote remote control interface
- Keyboard locking function
- Secure locking function
- Small volume, light weight

Technical parameter

Model	Functional description		
JK7142	AC / DC voltage / insulation tester		
JK7132	AC voltage / insulation tester		
JK7130	AC Withstand Voltage Tester		
JK7140	AC / DC Withstand Voltage Tester		
AC withstand voltage test	Rated output： 5KV AC/20mA		
	Range	Resolution	Precision
output voltage KVAC	0–5.00	0.01	± (1.5% of Setting+5V)
output frequency	50/60Hz Selectable		± 100ppm
Output waveform	sine wave THP<2% crest factor		
Upper limit setting mA	0–20.00	0.01	± (1.5% of Setting+2counts)
Lower limit setting mA	0–9.999	0.001	± (1.5% of Setting+2counts)
Insulation resistance test	1000V/1000M		
Output voltage setting	0.01–1.00KV dc	0.01	± (1.5% of Setting+2V)
Voltage display	0.01–1.00KV dc	0.01	± (1.5% of Setting+1counts)
High resistance display	9999MΩ		± (2% of Setting+2counts) voltage >500Vdc
			± (5% of Setting+2counts) voltage >500Vdc
Upper limit setting	0.1–99999MΩ (0=OFF)	1MΩ/Step	± (2% of Setting+2counts) voltage >500Vdc
Lower limit setting	1–9999MΩ	1MΩ/Step	± (5% of Setting+2counts) voltage >500Vdc
DC withstand voltage test	Rated output :6KV dc/7.5mA		
output voltage KVdc	0–6.00	0.01	± (1.5% of Setting+5V)
Continuous wave	<5%d 6KVAdc/5mA Resistance load measurement		
Upper limit setting mA	0.00–7.5	0.01	± (1.5% of Setting+2counts)
Lower limit setting mA	0.00–1	0.01	± (1.5% of Setting+2counts)
Voltage Steady pressure rate	± (1% Set value+5V) Empty load to full load		
Ramp time sec	0.1–999.9	0.1	± (0.1% of +0.05Sec)
Test time sec	0,1.0–999.9	0.1	± (0.1% of +0.05Sec)
ARC Detector	0–9： 0=OFF		
PLC remote control	input： Test,Reset,Mermory1.2.3,Interlock output： Pass,Fail,Processing,Reset–Out		
Test failure alert	buzzer		
Size	280mm(W)*88mm(H)*275mm(D)		

Application
Computer peripherals,Household appliances,motor products, communication products, OA products, lighting products, small household appliances, lighting equipment, electronic zero components, transformers, motors, compressors, electric heating tubes, wires, cables, etc.

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Product introduction:

JK7200A and JK2683 are the insulation resistance meter which is using high performance microprocessor control . CNC test voltage: 10 v ~ 1000 v, 7 range test, the insulation resistance of the largest 1000 g Ω biggest display digits number 9999。High-speed test provides the best solutions for automated production assembly。Instrument has a sorting function, sorting ring set, also can be equipped with Handler interface, It is applied to the automatic sorting system to accomplish automatic assembly line testing. By the built-in RS232C interface, it can be used for remote control and data acquisition and analysis.

Computer remote control instruction compatible SCPI（Standard Command for Programmable Instrument）, efficient complete remote control and data acquisition function.

Features

- A variety of parameters shows at the same time。
- peak-value-holding function。
- Full range open reset function。
- The comparator output: Through RS232C output or Handler interface separation results.
- Fail-on: can set up fail-on switch。
- GD/NG fail-on and trigger mode: The external trigger, manual triggering, internal trigger and remote trigger。
- Optional foot switch

application

Electrolytic capacitor production

Capacitor inspection

Insulation resistance test of electronic components and equipment

Transistor leakage current detection

Insulation resistance test of dielectric materials and wires and cables.

Technical parameter

Model	JK7200A	JK2683
Test Parameter	Insulation Resistance	Leakage current and insulation resistance
Basic Accuracy	1%	
Output Voltage	Numerical Control 10V ~ 1000VDC	
Measurement Range	Resistance: 1kΩ~1000GΩ (2%+2words)	current: 1nA~20mA Resistance: 1kΩ~1000GΩ (2%+2words)
Reading	9999	
Range	Automatic	
Charging Current	200mA（MAX）	
Measurement Speed	8 times/Sec	
Display results	Direct reading, resistance, peak and sorting results	
Correction	Open the road and clear the zero	
Charging Timer	999.9s	
Comparator	5 Set Of Records, GD/NG	
Fail-On	GD、NG	
Interface	RS-232 Handler	
Power Requirement	Voltage : 198VAC～240VAC Frequency: 50Hz Power: Maximum 50VA	
Size and weight	280(W)x88(H)x275(D) weight :5kg	
Accessories	Test clamp, test fixture	

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Brief introduction

JK7305 grounding resistance tester is used to measure the internal resistance of electrical equipment.It reflects the contact resistance between the exposed parts of electrical equipment and the total grounding terminals of electrical equipment.In order to eliminate the influence of the contact resistance on the test, the ground resistance tester uses the four end measurement method, that is, the electric current is added between the exposed and the total grounding terminals of the measured electrical apparatus. Then measure the voltage at both ends and calculate the resistance value.

Performance characteristics:

`Constant current linear amplifier output

`Front panel software correction, high accuracy

`RS232(Standard) and PLC(optional) interface

`Keyboard locking function

`Four end measurement method is more accurate

`A maximum of 15 groups of test memory patterns

`Alarm function

Technical parameter

Model	JK7305
Output current	3～30A ± （2% ± 2counts）
Test voltage	AC6V
Ground resistance range	1 ~ 300 mΩ Output Current(3 ~ 10A) 1 ~ 150 mΩ Output Current(10A ~ 30A) ± (2% ± 2counts)
Test time	0.1～999.9s ± （2% ± 2counts）
Liquid crystal display	16 * 2 line backlight liquid crystal display
Remote control device	Input: Test,Reset Output: Pass.Fail,Test–in–Process
resolution	Current： 0.01A resistance： 1mΩ
Test alarm	Buzzer, indicator lamp
Correction method	Software correction
Memory device	Memory current, resistance, time and other set values
Temperature / humidity	0℃～40℃≤75%RH
standard accessory	JK26003A
Size /weight	W × H × D: 280mm × 100mm × 380mm / 10kg

JK625L Handheld Battery Internal Resistance Tester

JK625L Battery Internal Resistance Tester is an on-line instrument for measuring battery internal resistance and voltage. It is controlled by a high performance 32-bit ARM microprocessor.Fully automatic real-time detection of miniature handheld instruments, built-in large capacity lithium batteries to achieve ultra-long standby.JK625L combines the advantages of portable handheld watch and desktop instrument. Its main performance is compatible with daily set 3554.The instrument can test resistance of 0.001mΩ_~3.3000Ω, DC voltage of 0.0001V~60.000VDC, data display is stable, resistance is up to 3300 display bits, voltage is up to 6000 display bits.

The resistance measurement of the instrument is based on the principle of vector measurement and the voltage measurement is based on the principle of differential measurement, so the open circuit voltage can be measured accurately.In addition, the instrument has professional sorting function, built-in sorting records, GD/NG sorting results show sorting signal settings, which is applied to UPS online battery measurement automatic sorting system to complete automatic pipeline testing.JK625 is equipped with 500 sets of data storage, which can save measurement data by one key and save you the time of recording data.It can also be equipped with USB interface for remote control and data acquisition and analysis, which makes it very suitable for pipeline inspection of all kinds of batteries.

Performance characteristics

- Fresh and dazzling two-color cast shell
- Power supply mode of battery and external power supply
- Four-terminal test
- Switching between Chinese and English
- Preservation of 500 sets of measurement data
- Support UPS battery online test
- Backlight adjustment
- Automatic shutdown settings
- Maximum Large Power Consumption <5W
- Over-long continuous working hours (> 8h)

Application

- Measurement of various low-voltage batteries, storage batteries, lithium batteries, cell phone batteries
- Contact resistance, battery internal resistance
- Battery voltage
- Support UPS on-line measurement

Technical parameter

Test parameters	AC Resistance and DC Voltage
Basic accuracy	Resistance：0.5%±5dgt（Maximum resolution 0.001mΩ） Voltage：0.05%±5dgt（Maximum resolution 0.1mV）
Measuring range	Resistance：0.001mΩ~3.3000Ω Voltage：0.0001V~~60.000V
Signal source	AC：1kHz Open circuit voltage：<30mV（Reduce damage to the battery under test） Test current：<15mA
Range	Four-Range Automatic, Manual and Nominal Testing
Testing speed	1 times / sec
Display result	Absolute deviation (ABS) comparison, relative deviation (PER) and sequence (SEQ) comparison
Maximum readings	Resistance：3300 bits Voltage：6000 bits
Correcting	Full Range Short Circuit Zero Clearing Function
Comparator	Voltage comparisons, resistance comparisons, voltage-resistance combinations, GD/NG sorting results show the signal
Trigger	Internal trigger, manual trigger, remote trigger
Interface	Built-in Mini-USB interface, (virtual serial port) charging interface, U disk interface
Power requirements	Input ： 100-240V~50/60Hz 0.35A output：9V 1A DC ##8.4V 2200mAh lithium battery
Size and weight	Size （mm）229（H） *148（W） *46 （D） weight ： 650g
Enclosure	Four-terminal Kelvin test clamp, DC power adapter, portable bag, lithium battery, Mini-USB communication cable, data acquisition software
Optional Accessories	18650 fixture
Other	5.6 inch true color LCD display, keyboard lock, data retention function, compatible with SCPI instruction set;Switching between Chinese and English; Backlight adjustment;Large capacity lithium batteries realize long standby and automatic shutdown ; One-click Preservation of 500 Sets of Measurement Data , Support UPS battery online test

Product introduction:

JK2520B is a newly designed battery tester with high accuracy and high stability.It is controlled by high performance ARM microprocessor. True color 4.3 inch LCD display in Chinese and English, operation is more convenient, is the upgrading of JK2520 products.It is a high-performance and intelligent instrument widely used in contact resistance, battery voltage and battery internal resistance testing. The newly improved sampling circuit can measure any kind of battery.The instrument has professional sorting function and sorting sound setting. It is applied to automatic sorting system to complete full-automatic pipeline test.It can also be equipped with USB interface for remote control and data acquisition and analysis, and is very suitable for batch production of batteries.

Performance characteristics:

- Measurement by vector method and simultaneous measurement of various parameters
- Comparator (sorting) function
- Test line damage detection
- Compatible SCPI instruction set
- New improved sampling circuit

Application:

Testing of various contact resistance
Deterioration and life assessment of alkaline batteries and lead-acid batteries
On-line detection of UPS
Storage battery inspection
Supercapacitor equivalent resistance (ESR) measurement

Technical parameter

model	JK2520B	JK2520C
Test parameters	AC resistance, DC voltage	
Display	4.3 inch TFT LCD	
Basic accuracy	resistance: 0.5%, voltage: 0.3%	resistance: 0.2% voltage: 0.01%
Test range	resistance: 0.01mΩ~30Ω voltage: 0.01mV~60VDC	resistance: 0.001mΩ~33.00kΩ voltage: 0.01mV~120VDC
signal source	A C 1kHz, Open circuit voltage<20mV, Test current: <10mA	
range	Four ranges automatic or manual	
Test speed	10 times / sec、	3 0times / sec、10times / sec、145 times / sec
Display results	Direct reading value,Δ%	
Correcting	Short circuit zero clearance in full range	
comparator	PASS FAIL,Front panel LED display	
trigger	Internal triggers, manual triggers, external triggers, remote triggers	
Interface	RS232,Handler	
Power requirements	Voltage : 198VAC~240VAC, frequency: 50Hz ,power: max 15VA	
Size	215(w)*88(H)*335(D)	
Other	Keyboard lock and data storage function, internal flash and U disk record	
attachment	505 Kelvin test line	
Optional Accessories	506A Test probe; 506 Test meter bar	

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JK2520N Battery Internal Resistance Tester

JK2520N is a newly designed battery tester with high precision and high performance. Using high-performance ARM microprocessor control. True color 4.3-inch LCD display in Chinese and English makes operation more convenient. It is widely used in high-performance and intelligent instruments for testing contact resistance, battery voltage and battery internal resistance. The new and improved sampling circuit can measure any kind of battery. In addition, the instrument has a professional sorting function and sorting signal ring setting, which is applied to the automatic sorting system to complete the automatic assembly line test. It can be equipped with a USB interface for remote control and data acquisition and analysis, which is very suitable for mass production of batteries.

Performance characteristics:

Adopt the vector method to measure,a variety of parameters simultaneous measurement
Comparator (sorting) function
Test line damage detection
Compatible with SCPI instruction set
New and improved sampling circuit

Application:

Power battery pack
Various contact resistance tests
Deterioration measurement and life evaluation of alkaline batteries and lead storage batteries
UPS online testing
Battery factory inspection
Super capacitor equivalent resistance (ESR) measurement

Technical parameter

Model	JK2520N
Test Parameter	AC resistance,DC voltage
Display	4.3 inch TFT LCD
Basic Accuracy	Resistance：0.2% Voltage：0.01%
Measurement Range	Resistance：0.001mΩ~33.00KΩ Voltage：0.01mV~400.00VDC
Signal Source	AC 1kHz，Open circuit voltage<20mV，Test current：<10mA
Range	Manual or Automatic
Test speed	30time/second,10 time/second,145time/second
Display Result	Direct reading，Δ%
Regulate	Clear short circuit in full range
Comparator	PASS FAIL front panel LED display
Trigger	Inner trigger,Manual trigger，External trigger, Remote trigger
Interface	RS232, Handler
Power requirement	Voltage：198VAC～240VAC Frequency：50Hz Power：Maximum 15VA
Size	Shelf size(mm):215(w)*88(H)*335(D) Dimension(mm):235(w)*105(H) *360(D)
Others	Key lock and data saving function, internal flash memory and U disk record
Accessories	505 Kelvin test line
Accessories optional	506A test probe, 506 Test table stick

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Performance characteristics>>

1、Capacitive load realizes fast charging and discharging.

2、The test is stable and no additional shielding wire is needed.

3、Connection detection function of measured parts to prevent open-circuit misjudgment.

4、Short circuit detection before test to prevent high voltage breakdown.

5、Continuous test mode, PASS termination mode, FAIL termination mode and forced termination mode.

6、Rich interface, suitable for pipeline sorting.

Technical parameter

Test parameters	Insulation resistance
Test range	0Ω ~ 4000MΩ （5 ranges）
Basic accuracy	±2% rdg. ±5 dgt. ±2 % rdg. ±5 dgt. 25 V ≦V < 100 V [0～20 MΩ], 100 V ≦V < 500 V [0～20 MΩ], 500 V ≦V ≦1000 V [0～200 MΩ]
Test voltage	25~1000V DC 1.8mA
Testing speed	50ms(fast)/500ms(slow)
Connection exception display	High Voltage End Open Circuit "ContHi"、Low Voltage End Open Circuit"ContLo"、Output end all Open Circuit "ContHL"
Short circuit anomaly display	"SHORT"
Out-of-range display	Range under "UNDER.F", range over"OVER.F"
discharge current	10mA Constant current discharge
comparator	PASS/L.FAIL/U.FAIL
Setting up Data Save	Recordable 10 sets of data panel settings
Trigger	IO Trigger, Manual Trigger, Bus Trigger
IO Interface type	Configurable as PNP or NPN
Interface	External IO Interface/Analog Output Interface/LAN Interface/Rs232 Interface Buzzing sound,PASS/U.FAIL/L.FAIL LED light，UL_FAIL,U.FAIL/L.FAILLighting at the same time，EXT. I/O output、Obtaining the Decision Result by RS-232C
power supply	Voltage ：100V ~ 240V AC frequency：50Hz/60Hz
Size and weight	Size (w* h * d)：235mm x 105mm x360mm weight：2kg
Accessory	JK9921/JK9800/JK9600

Preface

The common rechargeable batteries include lithium batteries, nickel cadmium batteries, nickel hydrogen batteries, and sealed lead-acid batteries. Among them, lithium battery has the characteristics of large capacity, light weight and high cycle times. It is widely used in mobile phones, PDA, digital cameras, camcorders, notebook computers and other fields.Is currently the most advanced rechargeable battery, referred to here is the finished lithium battery lithium battery pack by lithium batteries (lithium ion batteries or Li polymer batteries) and lithium battery protection board. Nickel cadmium battery is a relatively early application of rechargeable battery. It has the characteristics of low cost, low internal resistance and high current discharge. So far, it has been widely applied in some electric tools and electric cars.

Similar NiMH battery and nickel cadmium battery, but because they do not contain heavy metals, so the environmental pollution is small, at present in some common consumer electronic products have been widely applied in fields of application, has replaced the previous nickel cadmium batteries. Small sealed lead-acid battery, also known as maintenance free lead-acid electric he, at present mature technology, mainly used in fixed backup power applications, such as uninterruptible power supply, emergency lighting and so on.

In view of the requirements for the production and detection of these rechargeable batteries, a special integrated battery tester for rechargeable batteries has been developed.This tester can make a quantitative and accurate measurement of some basic parameters of the battery.The open circuit voltage, internal resistance,charging, discharge performance of the battery can be measured,Battery capacity is especially aimed at the function of lithium battery. It also has the functions of charging protection, over discharge protection, over current protection, short circuit protection, etc., and has measured the corresponding value, which greatly facilitates the production and pre-sale and after-sales service of battery.A few simple steps can be used to intuitively judge the performance and quality of the battery.At the same time, it also has the function of quick screening. It can set the upper and lower limits of measurement parameters. It can quickly detect the bad battery from a batch of battery products and improve the production efficiency. In addition, some special functions have been added to enable them to have some characteristics of universal instruments and equipment, expand the flexibility of the equipment, and have a wide range of applications.

Besides, this tester can provide software upgrade services according to the needs of customers. On the basis of basic models, it can upgrade to software that can be connected to computers based on basic models, and can set up and save test data by computer, and automatically record test resultsThe battery bar code can also be used to record the test data of each battery, which is beneficial to the analysis and control of production quality, the recovery of the products, and so on.In addition, the test accuracy of voltage and resistance can be increased by an order of magnitude by adding a hardware upgrade module to meet the more stringent quality requirements.

The basic functions of the JK5530 battery comprehensive tester include:

1. The static parameters of the battery are detected quickly.

1.1 Battery voltage detection (for a lithium battery that has been in a protected state, it can automatically wake up)

1.2 Battery internal resistance detection

1.3 Battery charge performance detection

1.4 Detection of battery discharge performance

1.5 Detection of battery overcurrent size (only for lithium batteries)

1.6 Detection of battery short circuit protection function (only for lithium battery)

1.7 The above can be detected in the part of the value size, and the upper and lower limits can be set to be screened quickly.

2. Battery capacity detection.
3. The battery charging function can be selected separately.
4. The battery discharge function can be selected separately.
5. The function of the numerical control current and voltage source.
6. Numerical control electronic load function.
7. Function of voltage and internal resistance meter
8. Instrument calibration function

Technical parameter

Model		JK5530	JK5530B
measuring range	Range of battery voltage measurement	0–36V，Minimum resolution 10mV accuracy:+–30mV	0–60V，Minimum resolution 10mV accuracy:+–5mV
	Range of internal resistance measurement	0–999mΩ，Minimum resolution 1mΩ	0–1999mΩ，Minimum resolution 1mΩ
	Capacity measurement range	0–10000mAH，Minimum resolution 1mAH	
measurement accuracy	Accuracy of voltage measurement	±（result*0.1%+3mV）（voltage 0~36V） ±（result*0.1%+30mV）（voltage 37~60V）	
	Accuracy of current measurement	±（result *0.2%+30mA）（current 0~10A） ±（result *0.5%+30mA）（current 11~30A）	
	Accuracy of internal resistance measurement	±（result *1%+1mΩ）	
	Accuracy of battery capacity measurement	10AH:±2%	100AH: ±2%
Test speed	Static test (test all functions)	1.1–2 seconds	
	Capacity test (1C current charge and discharge)	3–4 hours	
Internal numerical control voltage source index	Maximum output voltage	20v	60v
	Maximum output current	5A	5A(routine) / 10A (Need customization)
	Maximum output power	80W	200W
	Ripple voltage	<20mV	<100mV
	Load adjustment rate	<10%	
	response time	1S	

Internal numerical control electronic load index			
	Ceiling voltage		
	Maximum discharge current	10A (continuity) 15A (10 second)	30A(continuity) 60A(Need to be customized)
	Limit power	50W (continuity) 80W (10 second)	200W (continuity)
	supply voltage		220V ± 10%50Hz

U disk storage		no	yes
communication interface		no	yes (with Host computer software)
Accessories		Kelvin clip test line, test probe	
Size and weight		Upper frame size (mm):215(w)*88(H)*335(D) Shape size (mm):235(w)*105(H) *360(D), about 3.6kg	

JK9610A type power field effect tube tester, is The utility model is a novel full digital display power field effect tube parameter testing device, Can be used for nominal current about 2-85A, The test of the main parameters of the N trench power MOSFET with power of less than 300W. It can accurately measure the breakdown voltage VDSS ,Gate turn-on voltage VGS (th) and amplification characteristic parameter transconductance Gfs . Especially the transcon-ductance Gfs test current can reach 50A , Pulse current test , It will not cause any damage to the device even when the current is tested , It can be used to test the consistency of the field effect transistor (pairing) under the condition of high current, The instrument can be used to measure the IGBT parameters of the same current level, Instrument is also a very superior performance of electronic components pressure test device , When testing the voltage leakage current 1mA, 250uA, 25uA three block can choose , The instrument is mainly used for the quality inspection of power
MOSFET and IGBT, The matching of parameters and the pressure test of other electronic components. The instrument is divided into two types: N channel guide tester and P channel guide tester , The instrument has the advantages of beautiful appearance, stable performance, accurate measurement, simple operation and safe and convenient use.

The main test function

1. the breakdown voltage VDSS, VGS (th) and Gfs of the MOSFET are tested
2. the breakdown voltage of V IGBT (BR) ces, VGE (th), Gfs test.
3. the power field effect transistor and IGBT in the 50A under any current state consistency test, can be used for matching.
4. for other higher current and power field effect transistor and IGBT test: (see below)
5. a variety of crystal triode, diode , Voltage regulator , breakdown voltage test.
6. varistor voltage test etc.

The main technical performance

1, the breakdown voltage of VDSS measuring range: 0 - 1999V, accuracy: less than 2.5%.
2, IDSS can be divided into three options: 1mA, 250uA, 25uA.
3, open grid voltage VGS (th) measurement range: 0 - 10V. Accuracy: less than 5%.
4, Gfs transconductance test current Idm: not less than 1 - 50 A continuously adjustable accuracy: less than 10%.
5, Gfs transconductance test range: 1 - 100.

JK9610A field effect tube tester

The difference between 9610A and 9612:
9610A can measure three parameters :
A: Breakdown voltage VDSS turn-on voltage VGS Gfs transconductance
B: The three parameter is only one item
9612 can measure three parameters :
A: Open voltage VGS Gfs on state resistance Ron interelectrode capacitance Cir four parameters together
B: Efficient
C: With sorting alarm, suitable for large quantities of incoming inspection

Test box and test line

1, the use of the test box can be easily tested TO-126, TO-220, TOP-3 and other similar packaging power MOSFET and IGBT
2, the use of the test line can be measured other metal, module and other forms of packaging power MOSFET and IGBT

Test Case

Model	JK9610A	Breakdown Voltage Vdss	Turn-on Voltage Vgs(th)	Transconductance S Gfs	Gfs Test current	Nominal current ID	Nominal power PD	Encapsulation
IRF640	Basic parameter	200V	2-4V	≥6.8	11A	18A	150W	TO-220
	Actual measurement parameter	225V	3.0V	12	11A			
IRF1010	Basic parameter	60V	2-4V	≥69	50A	84A	200W	TO-220
	Actual measurement parameter	66V	3.2V	67	50A			
IRF3205	Basic parameter	55V	2-4V	≥44	62A	110A	200W	TO-220
	Actual measurement parameter	60V	2.9V	68	60A			
FQP70N08	Basic parameter	80V	2-4V	41	35A	70A	155W	TO-220
	Actual measurement parameter	86V	3.2V	46	35A			
75NF75	Basic parameter	75V	2-4V	20	40A	80A	300W	TO-220
	Actual measurement parameter	81V	3.6V	52	40A			
IRFP064	Basic parameter	55V	2-4V	≥42	59A	110A	200W	TO-3P
	Actual measurement parameter	67V	2.5V	57	60A			
2SK1120	Basic parameter	1000V	2.5-5V	4	4A	8A	150W	TO-3P
	Actual measurement parameter	1086V	2.3V	5	4A			
G160N60	Basic parameter	600V	3.5-6.5V	*	80A	160A	250W	TO-247
	Actual measurement parameter	626V	3.9V	35	60A			
H40T120	Basic parameter	1200V	5-6.5V	21	40A	75A	270W	TO-247
	Actual measurement parameter	1390V	5.7V	20	40A			
60N170D	Basic parameter	1700V	3.5-7.5V					
	Actual measurement parameter	1798V	4.8V	30	60A	60A	200W	TO-247

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JK9612 Power VMOSFET selector is mainly used in the batch measurement and screening of the field effect transistor or IGBT in the small and medium-sized electronic products enterprises.

1. the use of high-precision AD, To meet the measurement accuracy , High speed microprocessor and electronic switch, Make the measurement work fast, efficient and quiet,Use International advanced pulse measurement , can provide 10A~max 75A test current , Will not make the measured tube heating. Automatic current sharing function to ensure the safety of the tested pipe.
2. It has the function of self checking, measuring and judging and fault alarm indication , When not Vmos tube or wrong insertion , Measurement cannot continue. Before and after measurement,Measure the short circuit between the source of the outlet .In order to ensure the measuring tube was inserted into or pulled out of the safety socket
3. 20A~150A capacity selection ,Even if the wrong current file,Measurement of small capacity pipe with maximum current,Will not damage the measured tube.
4. You can set the parameter range as required. Can be set:Open voltage Ut, transconductance Gfs, on state resistance Ron and Lower and upper limits of the interelectrode capacitance Cir .For transfinite measurement ,Buzzer alarm, And which parameters overrun, flashing prompt,Users can not meet the standards of the specific parameters of the data, only in the alarm when the attention of the flashing parameters,This greatly facilitates the industrial batch measurement.
5.The use of simple, do not need professional knowledge.

The main indicators

1. measuring VMOS tube can be displayed simultaneously:
on-state resistance Ron 1~999mΩ(when More than 999 mΩ, automatically turn to the 9.99 Ω)
Transconductance Gfs 0~99.9S
Opening voltage Ut 1~7.5V
Interelectrode capacitance Cir 0.1~9.9 (NP)
2. if you need, through the auxiliary function keys, you can also get:
a, Cir 1% nP accuracy
b, Ut 1%V accuracy
c, when measuring Ron: Ids (max A), Vds (min V);
d, as well as measurement of Ggs: Ids (A), Vds (V), Vgs (V);
3. 10 bit LED display.
4. the use of industrial switching power supply, can work in 160V~230V.
Transconductance Gfs Ron 0~999mΩ,Accurate to 1mΩ (when More than 999 mΩ, automatically turn to the 9.99 Ω)
Transconductance Gfs 0~99.9S , accurate to 10% S
Turn on voltage Ut 0~8.0V , accurate to 10% V
The interelectrode capacitance Cir 0~9.9 (NP) , accurate to 10% NP
If you need, through the auxiliary function keys, you can also get:
a, Cir 1% nP accuracy ； Ut 1%V accuracy ；
b, when measuring Ron accuracy ： Ids(max A),Vds(min V)；
c, and when measuring Ggs accuracy ： Ids(A),Vds(V),Vgs(V)；

Instrument case:

Aluminum alloy cold drawing plate is used as the frame, and the supporting feet can be adjusted.Workbench have 220 and 3P socket .The panel is equipped with capacity selection, and 220/3P selection.

measurement example: (test conditions can be obtained by the auxiliary key)

For example 1.IRF3205
Ron 5mΩ Test condition：Ids=74.6A,Vds=0.44V
Cir 3.14nP Test condition：Vgs=0,Vds=10V
Ut 2.91V Test condition：Vds=10V,Ids=1mA
Gfs 27.9S Test condition：Ids=35.5A，Vds=6.44V，Vgs=5.15V

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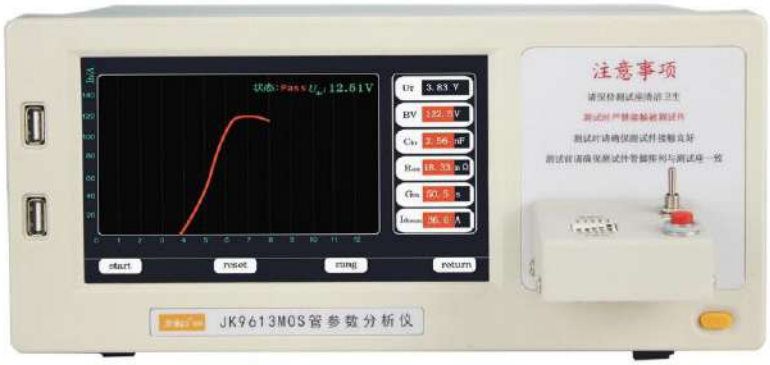

JK9613 uses high-precision AD to meet the measurement accuracy, and the high-speed microprocessor and electronic switch make the measurement work fast,Efficient and quiet. This instrument uses the international general pulse measurement method, which can provide a test current of more than 300A without causing the tube under test to heat up. The high current test plus withstand voltage test technology is unique, and various protections are used to make the measurement safe.Just press the test button to get the main parameters of the power Vmos tube. The range of sorting parameters can be set and screened as required, which greatly facilitates industrial mass production.

Performance characteristics

N-channel general test
Simultaneous testing and display of multiple parameters
Maximum current up to 100A
MOS tube characteristic curve display
One-key quick measurement
U disk to store measurement results
7 inch color touch screen
Simultaneous measurement of withstand voltage and internal resistance

Technical parameter

Parameter	Range	Accuracy
Voltage V	10-12V	5%
On-resistance Ron	0~999mΩ	8%
Transconductance Gm	0~99.9S	7%
Withstand voltage Bv	0-1000V	5%
Open voltage Ut	0~12.0V	5%
Interelectrode capacitance Cin	0~99.9	7%
On-state maximum current Id	0~129.9	7%

JK9200 Multichannel power and temperature recorder

Introduction

JK9200 is a single-phase three-phase power temperature comprehensive measurement and acquisition instrument, which performs full-parameter measurement on AC single-three-phase circuits; adopts a high-precision 24-bit dedicated AD chip with a dynamic range ratio of up to 1000: 1; true effective value measurement, measurement parameters There are various electrical parameters such as voltage, current, frequency, active power, reactive power, power factor, harmonic power, and accumulated power, which have high accuracy, good stability, and high communication rate. Full isolation processing technology, strong anti-interference ability. The measured electricity parameters are remotely transmitted through the RS-485 digital interface output. The MODBUS protocol of the product is fully compatible with various configuration software or the MODBUS (RTU) protocol in PLC equipment.

Characteristics

* Sampling cycle has seven rates: 20ms, 40ms, 60ms, 80ms, 100ms, 400ms, 1000ms.
* Various communication formats such as odd parity, even parity, no parity, stop bit, etc. can be set freely.
* Communication rate and address have two modes of software or hardware setting, easy to use.
* Electricity has the function of accumulating and storing separately in forward and reverse directions, and has the function of saving after power-off.
* With a variety of work operation indicator lights, the red light indicates that the product is running normally (100mS flashing), and the green light indicates product communication.
* Strong anti-interference ability, the input, output and power ports can resist surge voltage up to 2KV.
* MODBUS protocol product data output negative number adopts complement code output;

Technical parameter

Model	JK9200	JK9200B
Wiring method	Single-phase two-wire / three-phase four-wire / three-phase three-wire	Single-phase two-wire
Display	High-brightness color 10.1-inch TFT LCD screen	
Channel amount	1	4 (Additional channels need to be customized)
Temperature channel amount	8 (Additional channels need to be customized)	8 (Additional channels need to be customized)
Temperature measurement range	-200℃~1999℃ thermocouple : J/K/T/E/S/N/B type PT100	
Temperature measurement accuracy	≤±0.2%F.S	
Measurement project	Voltage V, current A, active power W, power factor, reactive power VAR, frequency Hz, apparent power VA, positive and negative electrical measurements Kw.h, fundamental power W, harmonic power W, the total harmonic power W and temperature are measured and collected simultaneously.	voltage V, current A, active power W, temperature ℃
Measurement type	Trms	
Curve (history, real time)	Temperature \ Voltage \ Current \ Power	
Voltage range	10V,100V,250V,400V,500VAC	
Current range	10mA, 100mA,1A,5A,10A,20A(Perforation type greater than 5A, perforation aperture 7.5mm)	
Power range	0.01W-12kW	
Power factor range	0.001-1.000 calculation method : Watt (W) ÷[voltage (V) ×current (A)]=power factor (PF)	
Frequancy range	40-400Hz	
Frequency response	30Hz-1KHz	
Basic accuracy	0.5%FS	
measurement speed	3 times/second	
Voltage input impedance	2KΩ/V;(That is, if the input is 250V, the voltage impedance is 500KΩ)	
Operation temperature	-20℃ ~ +60℃	
Output interface	RS485(standard Modbus-RTU communications protocol)	
Volume	instrument size : 220*275*180mm (H*W*D)	
Accessories	Power cord, warranty card, manual, thermocouple, inspection certificate	

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Technical parameter

Connection mode	Single-phase
display	LED Digital Screen Display
Measurement items	Voltage V, Current A, Active Power W, Power Factor PF, Frequency Hz
Measurement form	Trms
Voltage range	2V~600V AC (Automatic range switching) Peak Voltage: 700V AC
current range	0.05mA~10A AC (Automatic range switching) Peak current: 12A AC
Power range	0.001W~6kW
Power Factor Range	0.001~1.000
omputing method:power(W)÷[voltage(V)*current(A)]=**power factor(PF)**	
Frequency range	40~400Hz
Basic accuracy	± (**0.4% reading value +0.1% range**)
Measuring speed	0.1S,0.25S,0.5S,1S,2S,5S
Output impedance	about 2MΩ (All Voltage Gates)
Power supply	100~240V AC ,45-440Hz , **100~300V DC**
Volume and weight	Instrument size (L*W*H) :355mm*225mm*112mm Cut-Out Size(W*H): 225mm*99mm ,weight :1.7kg
communication interface	Standard RS232 or RS485, Matching relay output function
Enclosure	Power cord. Warranty Card, Instructions, Communication Line, Software CD-ROM

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