安规

SAFETY TESTER & HIPOT TESTER

P02-P23

Safety Regulation Tester

Widely used in photovoltaic, household appliances, instruments and meters, lighting appliances, electric heating appliances, computers, information complete machines, components and other fields.

Withstand Voltage Tester

Definition: Withstand Voltage Tester (also known as "High Voltage Dielectric Test", "Dielectric Voltage Test"): Tests the voltage-withstanding capability of the device under test. During the test, a high voltage is applied at two insulated points, and the voltage is sustained for a specified time. It focuses on whether breakdown occurs, and the test result is measured in mA (milliampere).

Classification: Basic type: Manual voltage adjustment.

Programmable type: Program-controlled, allowing setting of multiple test data sets, voltage rise and fall times, and arc detection. Supports multiple communication interfaces and can be used for fully automated testing with automated equipment.

AC/DC: Withstand voltage tests are divided into AC and DC types, with different voltage and current magnitudes but the same test principle.

Selection Points: Voltage requirement: Unit kV
Current requirement: Unit mA
Test accuracy: ±5% for standard type, ±1% for high-precision type.

Earth Resistance Tester

Definition: Earth Resistance Tester (also known as "Conduction Resistance"): Tests the grounding status of the device under test, i.e., the degree of good contact with the "ground". It applies a large current at two grounding points to detect whether the ground conduction is reliable. The test result is qualified if the resistance value does not exceed the upper limit.

Classification: For resistance ≤ 100mΩ: Generally tested with 25A or 32A current.
For resistance ranging from 100mΩ to 500mΩ: Generally tested with 10A current.

Selection Points: Current requirement: Unit A (ampere)
Resistance requirement: Unit mΩ (milliohm)
Resistance test accuracy: Ordinary type ±5%, high-precision type ±2%.

Leakage Current Tester

Definition: Leakage Current Tester: Tests the current generated between the live wire, neutral wire and ground wire when the device under test is operating normally. That is, it measures the current on the metal parts of the shell of electrical products in normal working conditions and the risk of electric shock to humans. Therefore, the principle of the leakage current tester is designed to simulate human body resistance.

Classification: Single-phase type: Voltage and current are basically the same.
Three-phase type: Voltages differ.
Program-controlled type: Programmable.
Classified into active and passive types according to output power:
Active type: The instrument itself has an isolated stabilized voltage power supply and a voltage regulator.
Passive type: Users need to additionally configure an isolated stabilized voltage power supply and a voltage regulator according to their product power.

Selection Points: Voltage requirement: Unit V (volt)
Current requirement: Unit mA (milliampere)
Power rating: Unit VA (volt-ampere)
Current test accuracy: Ordinary type ±5%, program-controlled type ±2%.

Insulation Resistance Tester

Definition: Insulation Resistance Tester (also known as "Megohmmeter"): Tests the insulation resistance between the live part and the exposed non-live metal part (shell) of the device under test. The test principle is the same as that of the withstand voltage test. A certain voltage (generally adjustable, up to 1000V) is applied between two insulated points, and the insulation resistance value (in MΩ (megohm)) between the two points is measured. Usually, there is a lower limit; if the value is below this limit, it is unqualified.

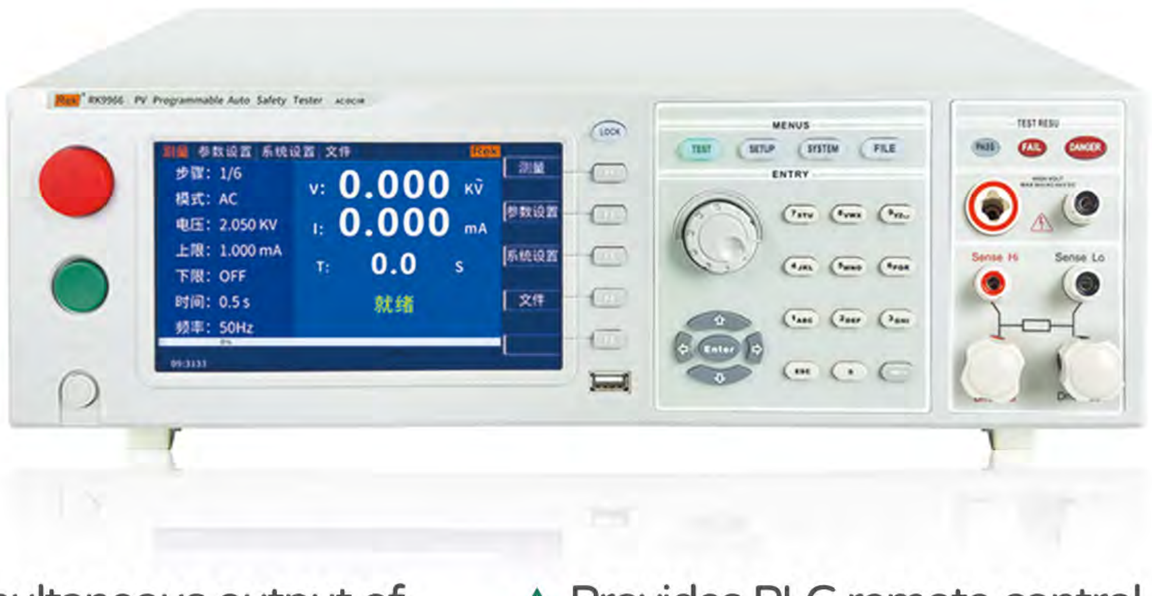
Classification: Analog type: Pointer display.
Digital type: Digital display.
Program-controlled type: Programmable.

Selection Points: Test resistance: Unit MΩ (megohm)
Voltage requirement: Unit V (volt)
Resistance test accuracy: ±5%~±10% depending on the range

RK9966series

Photovoltaic safety comprehensive tester

Four in one Photovoltaic test



It meets the requirements of GB6833.4 for power supply transient sensitivity, GB6833.10 for conducted sensitivity, and GB6833.6 for radiated interference.

Household appliance standards (IEC60335, GB4706.1-2005),lighting standards (IEC60598-1-1999, GB7000.1-2007), information technology standards (GB8898-2011, GB12113, GB4943.1-2011, IEC60065, IEC60590), flat-plate solar module safety certification standards (UL1703), photovoltaic DC grounding resistance standards (IEC61730-1), etc.

- 7-inch TFT LCD display Basic safety regulation accuracy 1%
- Adopts DDS + linear power amplifier drive output
- Fast speed, simultaneous output of grounding and withstand voltage
- Provides PLC remote control interface, RS232C, RS485, USB and other interfaces

model		RK9966	RK9966A	RK9966B
ACW	Output Voltage Range	(0.1 ~ 10.00)kV	(0.05 ~ 5.00)kV	
	Maximum Output Power	200VA(10.0kV 20mA)	100VA(5.0kV 20mA)	
	Maximum Rated Current	20mA		
	Output Waveform	Sine wave DDS+ power amplifier		
DCW	Output Voltage Range	(0.1 ~ 10.00)kV	(0.05 ~ 6.00)kV	
	Maximum Output Power	100VA(10.0kV 10mA)	60VA(6.0kV 10mA)	
IR	Output Range	0.1 ~ 10KV	0.05 ~ 5.000KV	0.05 ~ 2.500KV
	Maximum Upper Limit Setting	499.9GΩ	99.99GΩ	49.99GΩ
	Maximum Lower Limit Setting	499.8GΩ	99.98GΩ	49.98GΩ
	Minimum Lower Limit Setting	0.1MΩ		
	Test range	≥500V < 1.5KV 100GΩ/10M ~ 100GΩ < 500V 100K ~ 1G, Accuracy is not guaranteed for values above 1G. ≥1.5KV 500GΩ/10M ~ 500GΩ	< 500V 100K ~ 1G, Accuracy is not guaranteed for values above 1G. ≥500V 100GΩ	
	accuracy	0.1MΩ ~ 1000MΩ ±5%+5 1GΩ ~ 50GΩ ±10%+10 50GΩ ~ 500GΩ ±15%+5	0.1MΩ ~ 1000MΩ ±5%+5 1GΩ ~ 50GΩ ±10%+10 50GΩ ~ 100GΩ ±15%+10	0.1MΩ ~ 1000MΩ ±5%+5 1000MΩ ~ 50GΩ ±10%+10
GR	Output current range	3 ~ 60A（DC）	3 ~ 40A（AC）	3 ~ 60A（DC）
	Accuracy	(1% reading +0.2A)		
	Resolution	0.1A		
	Upper resistance limit setting	(Maximum current/current setting) × 105m		
	Lower resistance limit setting	0 ~ upper limit value of resistance		
Voltmeter	Range	AC (0.1 ~ 10.00)kV DC(0.1 ~ 10.00)kV	AC (0.05 ~ 5.00)kV DC(0.05 ~ 6.00)kV	
	Accuracy	±（1.5%+5V）		
ammeter	Measurement range	AC 5uA ~ 20mA；DC：0.5uA ~ 10mA		
	Measurement accuracy	≥2mA ±（1.5%+5 words） <2mA ±（2%+5 words）		
timer	Range	0.1-999.9S		
	Minimum resolution	0.1S		
	Accuracy	±（1%+50ms）		
testTime		0.1S-999S 0FF= continuous test.		
Arc detection		0-20mA		
Output frequency		50Hz/60Hz		
Working temperature		0-40℃ ≤75%RH		
power requirement		110/220±10% 50Hz/60Hz±3Hz		
joggle/interface		standard configurationRS232、RS485、USB、PLC		
screen		7 inchesTFT 800*480		
weight		36.25KG	22.25KG	31.8KG
Optional standard accessories		Power supply line RK00018, test line RK26003A, test line Rk0007, high-voltage rod 8N+, RS232 communication cable Rk0002, RS232-to-USB cable RK00003, USB-to-square-port connection line Rk0006, one set of terminal (red/black), upper computer and anti-reflux box.		
Optional parts		USB to RS485 bus serial port is industrial grade, the connecting cable is 1.5m long, RK00070 serial port has LAN port and RK00124 foot switch.		

RK9910-4U/8U

Multi-channel withstand voltage insulation tester

4/8 parallel test withstand voltage units

RK9910-4U/8U can provide 4/8 parallel voltage withstand units, and the test units are independent of each other. 4/8 units means 4/8 times the safety test speed.

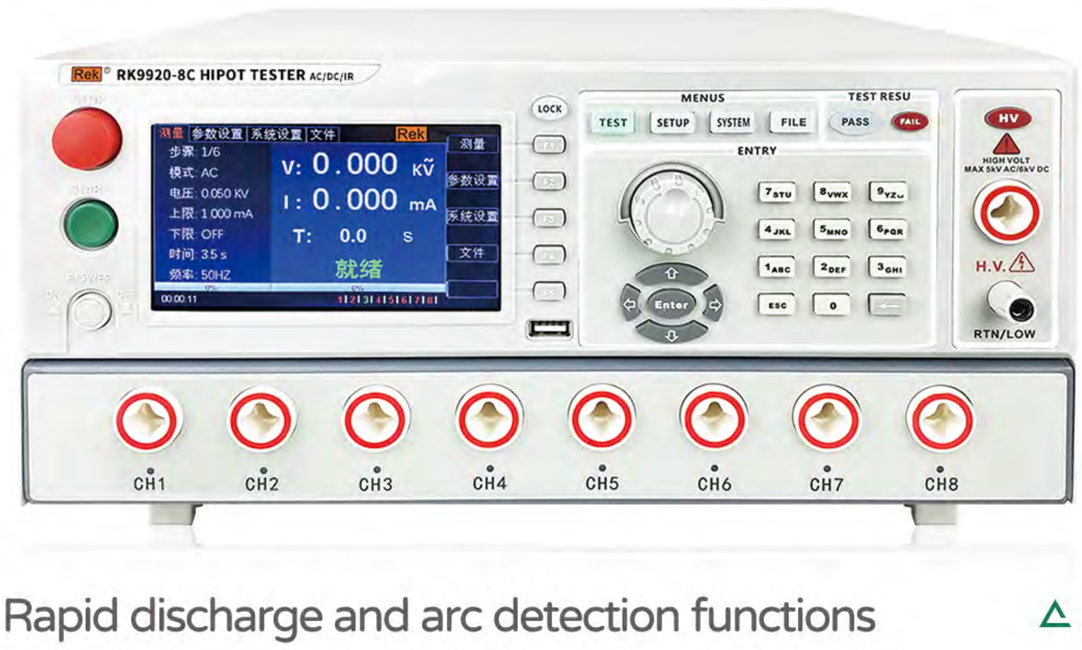
The output of each test unit is the same: 5kVAC/10-mA withstand voltage, 6kVDC/5mA withstand voltage and 5kVDC/5mA insulation resistance test.

Multi-parameter continuous testing and various upper computer control functions. RK9910-8U/4U series are equipped with interfaces such as HANDLER, RS-232C, USB, etc., so that the instrument can adapt to a variety of different automatic test systems that require high security and reliability.

- A 7-inch TFT LCD screen displays a Chinese and English user interface.
- Store 140 test files, each with a maximum of 20 test steps.
- HANDLER, RS232C/RS485, SINGLE, LAN, USB and other interfaces
- The test results for each channel (PASS /FAIL) are displayed independently, while the overall result is also shown.
- Four/eight-unit parallel withstand voltage output, improving test
- efficiency by 4 or 8 times. Multi-parameter continuous testing

Model		RK9910-4U	RK9910-8U
Number of Units		4-way independent unit	8-way independent unit
ACW	Output Voltage	0.05kV ~ 5.00kV ±(1%+5 digits)	
	Current Test Range	0 ~ 10mA ±(1%+5 digits)	
	Voltage and Current Accuracy	±(1%+5 digits)	
DCW	Output Voltage	0.05kV ~ 6.00kV ±(1%+5 digits)	
	Current Test Range	0 ~ 5mA ±(1%+5 digits)	
	Voltage and Current Accuracy	±(1%+5 digits)	
	Fast Discharge	±(1%+5 digits) Automatic discharge (DCW) after test	
IR	Output Voltage (DC)	0.05kV ~ 5.00kV ±1%	
	Resistance test range	≥500V 0.2MΩ ~ 1GΩ±(5%+5个字) 1GΩ ~ 50GΩ±(10%+5个字) 50GΩ ~ 100GΩ±(15%+5个字) < 500V 0.2MΩ ~ 1GΩ±(10%+5个字) 1GΩ ~ 10GΩFor reference only, no precision required.	
	Discharge function	Automatic discharge after the test	
Arc Detection Measurement Range		AC/DC:1 ~ 20mA	
Voltage Rise Time		0.1 ~ 999.9S	
Test Time Setting (AC/DC)		0.2 ~ 999.9S OFF= = continuous test	
Voltage Fall Time		0.1 ~ 999.9S	
Time Accuracy		±1%+0.1S	
Interface		HANDLER interface, RS232C interface, RS485 interface, USB interface and U disk interface.	
Operating Temperature		10℃ ~ 40℃, ≤90%RH	
Power Supply Requirements		90 ~ 121 V AC (60 Hz) or 198 ~ 242 V AC (50 Hz)	
Power Consumption		< 1000VA	
Weight (Net Weight)		43.1KG	63.95KG
Optional Accessories		RK00031 USB to RS485 bus serial line industrial-grade connecting line 1.5m long, RK00124 foot switch.	
Standard Accessories		Power line RK00018, RS232 communication cable RK00002, RS232-to-USB line RK00003, USB square port connecting line Rk0006, RK00085 test line, Rk0056 test line, DB25 solder-free male terminal, RK00006USB square port line, and upper computer (downloaded from official website).	

Built-in 4/8-channel scanning interface



16MB FLASH, each with 50 test items.

RK9920-4C/8C

Multi-channel AC/DC withstand voltage insulation tester

IEC 60335-1, GB 4706.1, UL 60335-1 Safety of household and similar electrical appliances - Part 1: General requirements; UL 60950, GB 4943, IEC 60950 Information technology equipment; UL 60065, GB 8898, IEC 60065 Safety requirements for audio, video and similar electronic devices; IEC 61010-1, GB 4793.1 Safety requirements for electrical equipment for measuring, control and laboratory use - Part 1: General requirements.

- Rapid discharge and arc detection functions
- Enhanced human protection functions:Electric shock protection;
- Built-in 4-channel (RK9920-4C), 8-channel (RK9920-8C)
- Provides HANDLER, RS232C, RS485, USB and other interfaces.
- Store 140 test files, with a maximum of 20 test steps per file.

RK-8CH

Serial Scan Box

The Merrick RK9920-8C multi-channel AC/DC withstand voltage insulation tester features an upgraded RS485 communication interface on the rear panel, which can be used to connect to the optional RK-8CH serial scanning box, supporting up to 8-128 serial scanning channels and significantly accelerating the measurement and testing speed.

model		RK9920-4C	RK9920-8C
Scanning Interface		Route 4	Route 8
HIPOT	Output voltage	AC 0.05kV-5.00kV ±2%	
		DC 0.05kV-6.00kV ±2%	
	Current test range	Ac 0 ~ 20ma (2% reading +5 words)	
		Dc 0 ~ 10ma (2% reading +5 words)	
	Fast Discharge	Automatic discharge after test (DCW)	
IR	Output Voltage (DC)	0.05 kV-5.0 kV (1%+5 words)	
	Resistance Test Range	≥ 500v 0.10mω-1.0gω 5% 1.0g-50.0gω 10% 50.0gω-100.0gω 15% < 500v 0.10mω-1.0gω 10% 1.0gω -10.0gω has no accuracy requirements.	
	Discharge Function	Automatic discharge after the test	
Arc detection	Measurement Range	AC/DC 1mA-20mA	
Voltage rise time		0.1S ~ 999.9S	
Test time setting		0.2S ~ 999.9S	
Voltage fall time		0.1S ~ 999.9S	
Idle time (IR)		0.2S ~ 999.9S	
Time accuracy		± (1%+0.1S)	
Interface		Handler、RS232、RS485、USB DEVICE、USB HOST	
Operating temperature and humidity		10℃ ~ 40℃, ≤90%RH	
Power requirements		90 ~ 121 V AC (60 Hz) or 198 ~ 242 V AC (50 Hz)	
Power consumption		< 400VA	
Standard configuration		RK00004 power cord, RS232 communication cable Rk0002, RS232-to-USB cable RK00003, USB-to-USB port line RK00006, RK8N+ high voltage bar, upper computer (downloaded from official website), connecting line RK00006, Rk00086 test line and RK000087 test line.	
Optional configuration		RK00031USB to RS485 bus serial port industrial-grade connecting line is 1.5m long, RK00070 serial port option LAN port, RK-8CH serial port scanning box and RK00124 foot switch.	
Weight (net weight)		19.2KG	24.55KG
Dimensions (H×D×L)		345*430*155mm	

RK9970series
Programmable safety comprehensive tester

There are many types of isolation transformers with different powers, which can be selected according to the measured object.

Isolation transformer (optional)

RK9970series

Programmable safety comprehensive tester

Seven in one, one machine meets all safety tests.

Please refer to page 06 for some technical parameters.

RK9970 series and RK9961 meet the following standards.:

Standards that MD-A meets: GB/T 12113-2003 (IEC 60990: 1999) and GB 4793.1-2007 (IEC 61010-1: 2001).
Standards that MD-B meets: GB/T 12113-2003 (IEC 60990: 1999), GB 4793.1-2007 (IEC 61010-1: 2001), GB 4706.1-2005 (IEC 60335-1: 2004).
Standards that MD-C meets: GB/T 12113-2003 (IEC 60990: 1999) and GB 7000.1-2015 (IEC 60598-1: 2014).
MD-D conforms to the standard: GB 4793.1-2007 (IEC 61010-1: 2001).
MD-E conforms to the standard: GB9706.1-2007/IEC60601-1-1988)
Standards that MD-F meets: GB 7000.1-2015 (IEC 60598-1: 2014).
Standards that MD-G meets: GB 4943.1-2011 (IEC 60950-1: 2005) and GB 4793.1-2007 (IEC 61010-1: 2001).
MD network measurement resistance ⩽ 1%

type	RK9970	RK9970A-3	RK9970A-6	Customizable
ACW				
voltage range	0.050kV~5.000kV			100-10kV/20mA voltage increases.
Voltage accuracy	(1.5% set value +3V)			
resolution ratio	1V			
Maximum output power	250VA(5.000kV/50mA)			500VA(5kV/100mA) current increases.
Maximum rated current	50mA			
Lower limit current range	0~50mA,0= lower limit of no judgment.			
Output waveform	sine wave			
Output waveform distortion	≤5% (no-load or pure resistive load)			
Output signal type	DDS linear power amplifier			
Voltage rise time	0.1s~999.9s, 0= voltage rise time off.			
testTime	0.3s~999.9s, 0=OFF continuous test.			
Voltage drop time	0.0s~999.9s, 0= voltage drop time off.			
DCW				
voltage range	0.050kV~6.000kV			100-10kV/10mA voltage increases.
Voltage accuracy	(1.5% set value +3V)			
resolution ratio	1V			
Maximum output power	120W(6.000kV/20mA)			300W(6kV/50mA) current is increased.
Maximum rated current	20mA			
Lower limit current range	0~20mA			
ripple coefficient	≤5%(6kV/20mA)			
discharge time	≤200ms			
Voltage rise time	0.1s~999.9s, 0= voltage rise time off.			
testTime	0.3s~999.9s, 0=OFF continuous test.			
Voltage drop time	0,0s ~ 999.9s, 0= voltage drop time off.			
IR				
Output voltage setting	0.050KV~5KV Resolution: 1Vvolts/Step			
Resistance upper limit setting	Range: (10.1 mω ~ 99999.9 mω 0 = off)			Can support 500G.
Lower resistance setting	Range: (0.1 ~ 99999.9 mω 0 = off)			
Voltage rise time	0.1s~999.9s, 0= voltage rise time off.			
testTime	0.1~999.9sOFF= continuous output			
Voltage drop time	0.0s~999.9s, 0= voltage drop time off.			
Resistance meter	≥500v/<=3kV0.10MΩ-1.0GΩ±5%1.0G-50.0GΩ±10%			

type	RK9970	RK9970A-3	RK9970A-6	Customizable
GR				
current range	(3.0-32.0)A			
Current accuracy	3.00 ~ 9.99a: (1.5% set value +0.20A)			
resolution ratio	10.00 ~ 32.00a: (1.5% set value)			
Resistance upper limit setting	0.1A			
Lower resistance setting	The maximum range can reach 600m m.			
Output waveform	0~ upper limit value of resistance			
Output waveform distortion	sine wave			
Output signal type	≤3% (no-load or pure resistive load)			
Current rise time	Linear power amplifier drive output			
testTime	0,0.1s ~ 999.9s, 0= voltage rise time off.			
Voltage drop time	0.5~999.9sOFF= continuous output			
power				
voltage range	AC：0.0~300.0V			
Voltage accuracy	Accuracy (1% reading +2V)			
resolution ratio	0.1V			
Maximum test power	6000VA	3000VA	6000VA	200V can reach 10kVA. 110V can reach 5kV.
Current upper/lower limit setting	(0.00 ~ 30.0)A	(0.00 ~ 15.0)A	(0.00 ~ 30.0)A	
Power upper/lower limit setting	(1 ~ 6000)VA	(1 ~ 3000)VA	(1 ~ 6000)VA	
Power factor	0.100~1.000			
testTime	0.1~999.9sOFF= continuous output			
IC				
voltage range	AC：0.1~300.0V			
Voltage accuracy	(1% read value +2V)			
resolution ratio	0.1V			
Maximum output power	5000VA	3000VA	6000VA	Customizable 10kVA
Detection mode	AC、RMS、PEAK、DC			
Current upper limit setting	0.1uA~20.00mA			0.1uA-50mA 0.1uA-100mA
Current lower limit setting	0.000~19.999mA			
Voltage rise time	0,1.0s ~ 999.9s0 = voltage rise time off.			
testTime	0.1~999.9sOFF= continuous output			
Low voltage start-up				
voltage range	AC：0.1~300.0V			
Voltage accuracy	(0.25% reading value +0.25% range value)			
resolution ratio	0.1V			
Maximum output power	6000VA	3000VA	6000VA	220V can go to 10kVA 110V can be 5kV.
Current upper/lower limit setting	(0.00 ~ 30.0)A	(0.00 ~ 15.0)A	(0.00 ~ 30.0)A	
testTime	0,0.5s ~ 999.9s0 = off continuous test			
Eight MD simulated human body networks	MD-A(GB/T12113-2003、GB4793.1-2007)、MD-B/B1（GB/T12113-2003、GB4793.1-2007、GB4706.1-2005、GB4943.1-2011、GB8898-2011)、MD-C（GB/T12113-2003、GB7000.1-2015)、MD-D(GB4793.1-2007)、MD-E(GB9706.1-2007）、MD-F（GB7000.1-2015）、MD-G（GB4943.1-2011、GB4793.1-2007）			
type	horizontal	Cabinet type	Cabinet type	
isolation transformer	Optional accessories	3KW built-in	6KW built-in	
Arc detection	1mA-20mA			
Output frequency	AC50Hz/60HzGR50Hz/60Hz			
Input characteristics	230V±10%50Hz/60Hz			115V±10%50Hz/60Hz (PW can reach 3kW without changing the hardware. Hardware changes can reach 5kW)
Test alarm	Buzzer, LCD display, FAIL indicator			
screen size	7-inch TFT LCD			
communication interface	HANDLER, RS232, RS485, USBDRV (computer interface), USB Host (USB flash			
storage	16Mflash each file can store 50 test steps.			
External volume (W×D×H)	700mm×440mm×213mm	500mm×550mm×1270mm	500mm×550mm×1270mm	
Weight (KG)	43.25	108.8	125.8	
Optional standard accessories	Power cord RK00018, power cord assembly RK00063, RS232 communication			

Five-in-one AC withstand voltage/DC withstand voltage/ insulation resistance/grounding on resistance/leakage current

RK9961series

RK9961series

Programmable safety comprehensive tester

model		RK9961			
ACW	Voltage Range	0.050kV ~ 5.000kV	IC	voltage range	30.0V ~ 300.0V
	Voltage Accuracy	(1%+0.2% full scale)		Voltage accuracy	(1% read value +2V)
	Resolution	1V		resolution ratio	0.1V
	Maximum Output Power	100VA （5.000kV/20mA)		Maximum output power	5000VA(220V) 3000VA(110V)
	Maximum Rated Current	20mA (customizable to 100mA)		Current upper limit setting	0.1uA~20.00mA
	Lower Current Limit Range	0 ~ 20mA,0= no judgment lower limit.		Current lower limit setting	0.1uA~ (2+) current upper limit
	Output Waveform	sine wave		Voltage rise time	0,1.0s ~ 999.9s0 = voltage rise time off.
	Output Waveform Distortion	≤ 5% (no-load or pure resistive load)		testTime	0,1.0s ~ 999.9s0 = off continuous test
	Output Signal Type	DDS linear power amplifier	MD simulated human body network	8 standard networks	MD-A(GB/T12113-2003、GB4793.1-2007)、MD-B/B1（GB/T12113-2003、GB4793.1-2007、GB4706.1-2005、GB4943.1-2022、GB8898-2011)、MD-C（GB/T12113-2003、GB7000.1-2015)、MD-D(GB4793.1-2007)、MD-E(GB9706.1-2007）、MD-F（GB7000.1-2015）、MD-G（GB4943.1-2011、GB4793.1-2007）
	Voltage Rise Time	0.1s ~ 999.9s, OFF= voltage rise time off.			
	Test Time	0.3s ~ 999.9s, OFF= continuous test.			
	Voltage Fall Time	0.1s ~ 999.9s, OFF= voltage drop time off.			
DCW	Voltage Range	0.050kV ~ 6.000kV			
	Voltage Accuracy	(1%+0.2% full scale)			
	Resolution	1V			
	Maximum Output Power	60W （6.000kV/10mA)			
	Maximum Rated Current	0 ~ 10mA (customizable to 50mA)			
	Lower Current Limit Range	0 ~ 10mA			
	Ripple Factor	≤ 5% (6kV/10mA)			
	Discharge Time	≤ 200ms	type		horizontal
	Voltage Rise Time	0.1s ~ 999.9s, OFF= voltage rise time off.	isolation transformer		Optional accessories
	Test Time	0.3s ~ 999.9s, OFF= continuous test.	Arc detection		1mA-20mA
	Voltage Fall Time	0.1s ~ 999.9s, OFF= voltage drop time off.	Output frequency		AC 50Hz/60Hz GR 50Hz/60Hz
IR	Output Voltage Setting	0.050kV ~ 5. 000kV Resolution: 1V/ step	Input characteristics		230V±10% 50Hz/60Hz
	Upper Resistance Limit Setting	Range: (0.2M ~ 100GΩ)	Test alarm		Buzzer, LCD display, FAIL indicator
	Lower Resistance Limit Setting	Range: (0.1M ~ 100GΩ)	screen size		7-inch TFT LCD
	Voltage Rise Time	0.1s ~ 999.9s, OFF= voltage rise time off.	communication interface		HANDLER, RS232, RS485, USBDRV (computer interface), USBHOST(U disk interface).
	Test Time	0.3s ~ 999.9s, OFF= continuous test.	storage		16M flash can store 50 test steps per file.
	Voltage Fall Time	0.1s ~ 999.9s, OFF= voltage drop time off.	Weight (KG)		30.35KG
	Resistance meter	≥500v 0.10MΩ-1.0GΩ 5% 1.0G-50.0 GΩ 10% 50.0 GΩ-100.0 GΩ 15% <500V 0.20MΩ-1.0GΩ 10% 1.0GΩ-10.0GΩ No precision requirement	Optional standard accessories		Power cord RK00018, power cord assembly RK00063, RS232 communication cable RK0002, RS232-to-USB cable RK0003, USB square port connection cable RK00006, test line RK26003A, test line RK0048, high-voltage rod RK8N+, MODBUS test host computer (downloaded from official website), RK261156-1 test line, RK00001.
GR	current range	3.0-32.0A (can be customized to 100A)			
	Current accuracy	(1% reading +0.2A)			
	resolution ratio	0.1A			
	Resistance upper limit setting	The maximum range can reach 600 mω.			
	Lower resistance setting	0~ upper limit value of resistance			
	Output waveform	sine wave			
	Output waveform distortion	≤3% (no-load or pure resistive load)			
	Output signal type	Linear power amplifier drive output	Optional parts		RK00031 USB to RS485 bus serial line industrial grade, connecting line 1.5m long, isolated voltage regulator,
	Current rise time	0.1s ~ 999.9s, OFF= voltage rise time off.			
	testTime	0.3s ~ 999.9s, OFF= continuous test.			
	Voltage drop time	0.1s ~ 999.9s, OFF= voltage drop time off.	Contact check (resistance software judgment)		Optional on or off.

Four-in-one, one machine meets four safety regulations tests

RK9960series

Programmable safety comprehensive tester

This testing instrument conforms to the following standards: Safety of household and similar electrical appliances - Part 1: General requirements IEC 60335-1, GB 4706.1, UL 60335-1; Information technology equipment: UL 60950, GB 4943, IEC 60065; Safety requirements for audio, video and similar electronic devices: UL 6005, GB 8898, IEC 60065; Safety requirements for measuring, control and laboratory electrical equipment: IEC 61010-1, GB 4793.1.

- 7-inch TFT LCD screen display
- Store 140 test files, each with a maximum of 20 test steps.
- Safety regulations in one
- Dual-frequency integrated testing using DDS digital synthesis technology
- Provides PLC remote control interface, RS232C, RS485, USB and other interfaces.
- Adjustable voltage rise and fall time

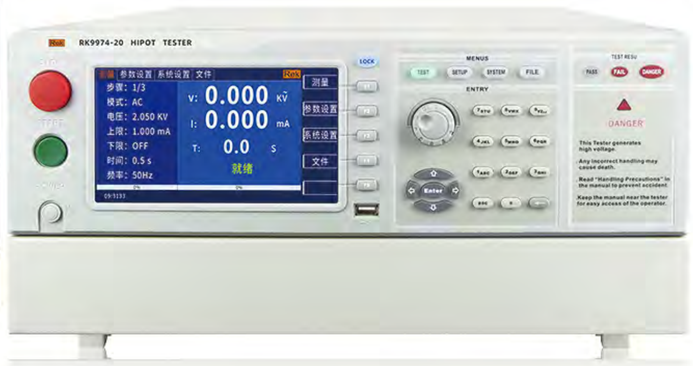
model		RK9960	RK9960A	RK9960T
ACW	Output voltage range	0.05~5kV		
	Maximum output power	100VA（5kV 20mA）	50VA（5kV 10mA）	500VA（5kV 100mA）
	Maximum rated current	0.001mA-20mA	0.001mA-10mA	0.001mA-100mA
	Current accuracy	(2.0% setting +2V)		
	Output accuracy	+/-(2.0% setting +5V) no load		
		(2.0%+5 words)		
	Output waveform	Sine wave DDS+ power amplifier		
DCW	Output voltage range	0.05~6kV		
	Maximum output power	60VA（6kV 10mA）	30VA（6kV 5mA）	300VA（6kV 50mA）
	Maximum rated current	0.1uA-10mA	0.1uA-5mA	0.1uA-50mA
	Current accuracy	±（2.0%setting+2V）		
IR	Output voltage (DC)	0.10~5kV	0.10~5kV	0.10~5kV
	Resistance test range (Test accuracy)	≥500v 0.10MΩ-1.0GΩ ±5% 1.0G-50.0 GΩ ±10% 50.0 GΩ-100.0 GΩ±15% <500V 0.20MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ No precision requirement		
GR	output current	AC 3-32A		
	Current accuracy	±（2.0%setting+0.02A）		
	Resistance test range	0-600mΩ, when the output current is 3-10A; 0-120mΩ, when the output current is 10-32A;		
	Resistance accuracy	(2.0% reading value+1mω)		
timer	range	0.0-999.9S		
	Minimum resolution	0.1S		
testTime		0.1S-999S OFF= continuous test.		
Arc detection		0-20mA		
Output frequency		50Hz/60Hz		
Working temperature		0-40℃ ≤75%RH		
power requirement		110/220 ±10% 50Hz/60Hz ±3Hz		
joggle/interface		Standard RS232, USB, PLC and RS485.		
screen		7 inch TFT 800*480		
weight		23KG	21KG	37.4KG
Standard fittings		High voltage test line, anti-reflux box, grounding test clip, cross uncontrolled high voltage test bar.		
Optional accessories		RS232-to-USB cable, USB-to-square port cable, RK00124 foot switch.		

Ultra-high pressure 30KV/50KV

High-voltage withstand test and analysis

RK9974series

Ultra-high voltage Programmable withstand voltage tester



Applicable standards:IEC60335-1, GB4706.1, UL60335-1 Safety of household and similar electrical appliances - Part 1: General requirements; UL60950, GB4943, IEC60950 Information technology equipment; UL60065, GB8898, IEC60065 Safety requirements for audio, video and similar electromechanical equipment; IEC61010, GB4793.1 Safety requirements for electrical equipment for measuring, control and laboratory use - Part 1: General requirements.

- 7-inch TFT LCD screen display
- The set parameters can be saved as a file and accessed or stored via USB flash drive.
- Maximum output AC/DC
- voltage 50KV
  Bilingual (Chinese and English) user interface
- Provides PLC remote control interface, RS232C, RS485, USB and other interfaces.
- Adjustable voltage rise and fall time

model		RK9974-AC30	RK9974-DC30	RK9974-AC50	RK9974-DC50
AC or DC	Output voltage range	AC(0.00 ~ 30.00)kV	DC(1.00 ~ 30.00)kV	AC(3.00 ~ 50.00)kV	DC(3.00 ~ 50.00)kV
	Maximum input power	600VA(30.0Kv 20mA)	300VA(30.0Kv 10mA)	1000VA(50.0Kv 20mA)	500VA(50.0Kv 10mA)
	Maximum rated current	20mA	10mA	20mA (customizable to 50mA)	10mA
	Output waveform	sine wave			
voltmeter	range	AC(1.00 ~ 30.00)kV	DC(1.00 ~ 30.00)kV	AC(3.00 ~ 50.00)kV	DC(3.00 ~ 50.00)kV
	precision	± (2%+5 words below 1kV and 1.5%+5 words above.)			
	specification error				
galvanometer	measuring range	AC 0 ~ 20mA	DC 0 ~ 10mA	AC 0 ~ 20mA	DC 0 ~ 10mA
	measurement accuracy	± (2%+5 words below 1kV and 1.5%+5 words above.)			
timer	range	0-999S continuous setting, 0= continuous.			
	Minimum resolution	0.1S			
testTime		0-999S continuous setting, 0= continuous test.			
Arc detection		0-20mA			
Output frequency		50/60Hz			
Working temperature		0-40℃ ≤75%RH			
power requirement		220±10% 50Hz/60Hz±3Hz			
joggle/interface		Standard RS232, RS485, USB, PLC and wireless remote control.			
Wireless remote control function		have			
screen		TFT 7 inch 800*480			
Overall volume (D×H×W)		500*1270*550mm		Cabinet: 500*1270*550mm	
				Flat car: 710*485*840mm	
Weight (net weight)		100.55kG		Cabinet: 80kG	
				Flat car parts: 50kG	
Optional standard accessories		Power cord RK00051, RS232 communication cable Rk0002, RS232-to-USB cable RK00003, USB-to-USB connector RK00006, RK00013 test cable, anti-reflux box, and high-voltage warning light component RK9974-LED (placed in the main cabinet).			
Optional parts		RK00031 USB to RS485 bus serial port industrial-grade connecting cable is 1.5m long, RK00070 serial port has LAN port and RK00124 foot switch.			

RK9974-10/20series

Ultra-high voltage Programmable withstand voltage tester

Customizable insulation features

Ultra-high pressure 10KV/20KV

- 7-inch TFT LCD screen display
- The set parameters can be saved as a file and accessed or stored via USB flash drive.
- Maximum output AC/DC voltage 20kV
- The output is driven by a DDS+ linear power amplifier，Test results can be saved synchronously.
- Provides PLC remote control interface, RS232C, RS485, USB and other interfaces.
- Adjustable voltage rise and fall time

Parameter/model		RK9974-10	RK9974-AC10	RK9974-10 customised version	RK9974-20	RK9974-20 customised version
ACW	Output Voltage Range	(0.10 ~ 10.00)kV			(0.50 ~ 20.00)kV	
	Maximum Output Power	200VA(10.0kV 20mA)			400VA(20.0kV 20mA)	
	Maximum Rated Current	20mA			20mA	
	Output Waveform	Sine wave DDS+ power amplifier				
DCW	Output Voltage Range	(0.10 ~ 10.00)kV	/	(0.10 ~ 10.00)kV	0.50 ~ 20.00kV	
	Maximum Output Power	100VA(10.0kV 10mA)		100VA(10.0kV 10mA)	200VA(20.0kV 10mA)	
	Maximum Rated Current	10mA		10mA	10mA	
IR	Output Voltage	/	/	0.10KV-5.0KV ±(1%+5 words)	/	0.5KV-5.0KV ± (1%+5 words)
	Voltage Resolution			1V		1V
	Voltage Test Accuracy			±(2.0% Read +2V)		±(2.0% Read +2V)
	Maximum Output Current			10mA		10mA
	Maximum Output Power			50VA(5000V/10mA)		50VA(5000V/10mA)
	Resistance Measurement Range			0.1MΩ-100.0GΩ ≥500V 0.1MΩ-1.0GΩ±5% 1.0G-50.0GΩ ±10% 50.0GΩ-100.0GΩ ±15% < 500V 0.10MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ ±15%		0.1MΩ-100.0GΩ ≥500V 0.10MΩ-1.0GΩ±5% 1.0G-50.0 GΩ ±10% 50.0 GΩ-100.0 GΩ±15% <500V 0.20MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ No precision requirement
	Discharge Function			Automatische Entladung nach Beendigung des Tests		Automatische Entladung nach Beendigung des Tests
Voltmeter	Range	AC (0.10 ~ 10.00)kV; DC(0.10 ~ 10.00)kV	AC (0.10 ~ 10.00)kV	AC (0.10 ~ 10.00)kV; DC(0.10 ~ 10.00)kV	AC (0.50 ~ 20.00)kV DC(0.50 ~ 20.00)kV	
	Accuracy/Setting Error	± (1.5%+5 words)			± (2%+5 words below 1kV and 1.5%+5 words	
ammeter	Measurement Range	AC 0 ~ 20mA; DC 0 ~ 10mA	AC 0 ~ 20mA	AC 0 ~ 20mA; DC 0 ~ 10mA	AC 0 ~ 20mA DC 0 ~ 10mA	
	Measurement Accuracy	± (1.5%+5 words)			± (2%+5 words below 1kV and 1.5%+5 words	
timer	Range	0,0.-999.9 s off = continuous			0.0S -999S OFF= continuous test.	
	Minimum Resolution	0.1S			0.1S	
testTime		0.0S-999S OFF= continuous test.			0.1s-999.9s	
Arc detection		0-20mA			0.1mA-20mA	
Output frequency		50Hz/60Hz			50Hz/60Hz	
Working temperature		0-40℃ ≤75%RH			0-40℃ ≤75%RH	
power requirement		110/220±10% 50Hz/60Hz±3Hz			110/220 ±10% 50Hz/60Hz ±3Hz	
joggle/interface		Standard RS232, RS485, USB and PLC.			Standard RS232, RS485, USB and PLC.	
screen		7 inch TFT 800*480			7 inch TFT LCD screen	
weight		26.9KG			59.4KG	
Optional standard accessories		Power line Rk0004, RS232 communication cable Rk0002, RS232-to-USB line RK00003, USB-to-square port connecting line RK00006, high voltage test line RK26003A, anti-reflux box and upper computer (downloaded from official website).			Power cord RK00001, RS232 communication cable RK0002, RS232-to-USB cable RK00003, USB-to-square port connection cable RK00006, upper computer (downloaded from official website), high voltage test cable RK00015, and anti-reflux box.	
Optional parts		RK00031 USB to RS485 bus serial line industrial-grade connecting line 1.5m long, RK00124 foot switch.			RK00031USB to RS485 bus serial port industrial-grade connecting cable is 1.5m long, RK00070 serial port has LAN port and RK00124 foot switch.	

Multiple interfaces

Output power up to 1000VA

RK9975series

Ultra-high voltage Programmable withstand voltage tester

- 7-inch TFT LCD screen display
- Parameter settings can be saved as files and recalled or stored via USB flash drive
- Maximum output AC/DC voltage 20kV, driven by DDS+ linear amplifier Output test results can be saved synchronously
- Provides PLC remote control interface, RS232C, RS485, USB and other interfaces
- Adjustable voltage rise and fall time

model		RK9975-10	RK9975-10A	RK9975-10B
ACW	Output Voltage Range	(0.10~10.00)kV		
	Maximum Output Power	1000VA(10.0kV100mA)		
	Maximum Rated Current	100mA		
	Output Waveform	SinewaveDDS+poweramplifier		
DCW	Output Voltage Range	(0.10~10.00)kV		/
	Maximum Output Power	500VA(10.0kV 50mA)		/
IR	Output Voltage(DC)	(0.10~5.00)kV	/	/
	Resistance Test Range	≥500V0.10MΩ-1.0GΩ±5% 1.0G-50.0GΩ±10% 50.0GΩ-100.0GΩ±15% < 500V0.10MΩ-1.0GΩ±10% 1.0GΩ-10.0GΩ±15%	/	/
Voltmeter	Range	AC (0.10~10.00)kV DC(0.10~10.00)kV	AC (0.10~10.00)kV DC(0.10~10.00)kV	AC (0.10~10.00)kV
	Accuracy	±(3%+5characters)		
	Setting Error	±(3%+5characters)		
ammeter	Measurement Range	AC:0~100mA DC:0~50mA	AC:0~100mA DC:0~50mA	AC0~100mA
	Measurement Accuracy	±(3%+5characters)		
timer	Range	0.0-999.9S		
	Minimum Resolution	0.1S		
Test Time		0.1S-999S OFF= continuous test.		
Arc Detection		0-20mA		
Output Frequency		50Hz/60Hz		
Operating Temperature		0-40℃ ≤75%RH		
Power Requirements		110/220±10%50Hz/60Hz±3Hz		
Interfaces		Standard RS232, USB, PLC and optional LAN RS485.		
Screen		7 inch TFT800*480		
Dimensions(D×H×W)		670*245*440mm		
Weight		60KG		
Standard Accessories		Power cord RK00018, RS232 communication cable RK0002, RS232-to-USB cable RK0003, USB-to-square-port connection cable RK00006, instruction manual (electronic version), RK26003A test cable, anti-reflux box and RK8N+ high voltage bar.		
Optional Accessories		RK00031USB to RS485 bus serial port industrial-grade connecting line is 1.5 meters long, and the upper computer (downloaded from official website).		
Contact Check		Optional on or off.		

RK9914series

Programmable safety comprehensive tester

5KV high current type

Test and analysis of high voltage withstand voltage

Applicable standards: IEC60335-1, GB4706.1, UL60335-1 Safety of household and similar electrical appliances Part 1: General requirements UL60950, GB4943, IEC60950 Information technology equipment UL60065, GB8898, IEC60065 Audio, video and similar electronic and mechanical safety requirements IEC61010, GB 4795.

- 7-inch TFT LCD display
- The minimum resolution of DC current is 0.001 μA.
- Test results can be saved synchronously.
- The breakdown current and voltage values can be displayed in real time.
- Maximum output AC/DC voltage 5KV
- Bilingual operation interface in Chinese and English
- Provide PLC remote control interface, RS232C,nterface such as RS485 and USB.
- Adjustable voltage rise and fall time
- Humanized operation interface
- The output voltage is continuously adjustable through the voltage regulator, and the alarm value can be preset continuously.

model		RK9914	RK9914A	RK9914B	RK9914C	RK9915	RK9915A	RK9915B
ACW	Output Voltage Range	(0.05 ~ 5.00)kV						
	Maximum Output Power	500VA(5.0kV 100mA)			250VA(5.0kV 50mA)	1000VA(5.0kV 200mA)		
	Maximum Rated Current	100mA			50mA	200mA		
	Output Waveform	Sine wave DDS+ power amplifier						
DCW	Output Voltage Range	(0.05 ~ 6.00)kV		/	(0.05 ~ 6.00)kV	(0.05 ~ 6.00)kV		/
	Maximum Output Power	300VA(6.0kV 50mA)		/	150VA(6.0kV 25mA)	600VA(6.0kV 100mA)		/
	Maximum Rated Current	50mA		/	25mA	100mA		/
IR	Output Voltage (DC)	(0.10 ~ 5.00)kV	/	/	/	(0.10 ~ 5.00)kV	/	/
	Resistance Test Range	≥500V 0.10MΩ-1.0GΩ±5% 1.0G-50.0GΩ ±10% 50.0GΩ-100.0GΩ ±15% < 500V 0.10MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ ±15%	/	/	/	≥500V 0.10MΩ-1.0GΩ±5% 1.0G-50.0GΩ ±10% 50.0GΩ-100.0GΩ ±15% < 500V 0.10MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ ±15%	/	/
Voltmeter	Range	AC(0.05 ~ 5.00)kV DC(0.05 ~ 6.00)kV		AC(0.05~5.00)kV	AC(0.05 ~ 5.00)kV DC(0.05~6.00)kV			AC(0.05~5.00)kV
	Accuracy	± (1%+3words)	± (1%+2words)			± (3%+5words)		
	Setting Error	± (1%+3words)	± (1%+2words)			± (3%+5words)		
ammeter	Measurement Range	AC: 0~100mA DC: 0~50mA		AC: 0~100mA	AC: 0~50mA DC: 0~25mA	AC: 0~200mA DC: 0~100mA		AC: 0~200mA
	Measurement Accuracy	± (1%+2words)				± (3%+5words)		
timer	Range	0.0-999.9S						
	Minimum Resolution	0.1S						
testTime		0.1S-999S OFF= continuous test.						
Arc detection		0-20mA						
Output frequency		50Hz/60Hz						
Working temperature		0-40℃ ≤75%RH						
power requirement		110/220 ±10% 50Hz/60Hz ±3Hz						
joggle/interface		Standard RS232, USB, PLC and RS485.				Standard RS232, USB, PLC, optional LAN and RS485.		
screen		7 inches TFT 800*480						
weight		29.96KG				63KG		
Optional standard		Power cord RK00004, RS232 communication cable RK0002, RS232-to-USB cable RK00003, USB-to-square-port connecting						
Optional parts		RK00031 USB to RS485 bus serial line industrial-grade connecting line 1.5m long, RK00124 foot switch.						
Contact check (resistance		Optional on or off.						

Arc detection

Software calibration function

RK9910/20series

Programmable withstand voltage tester

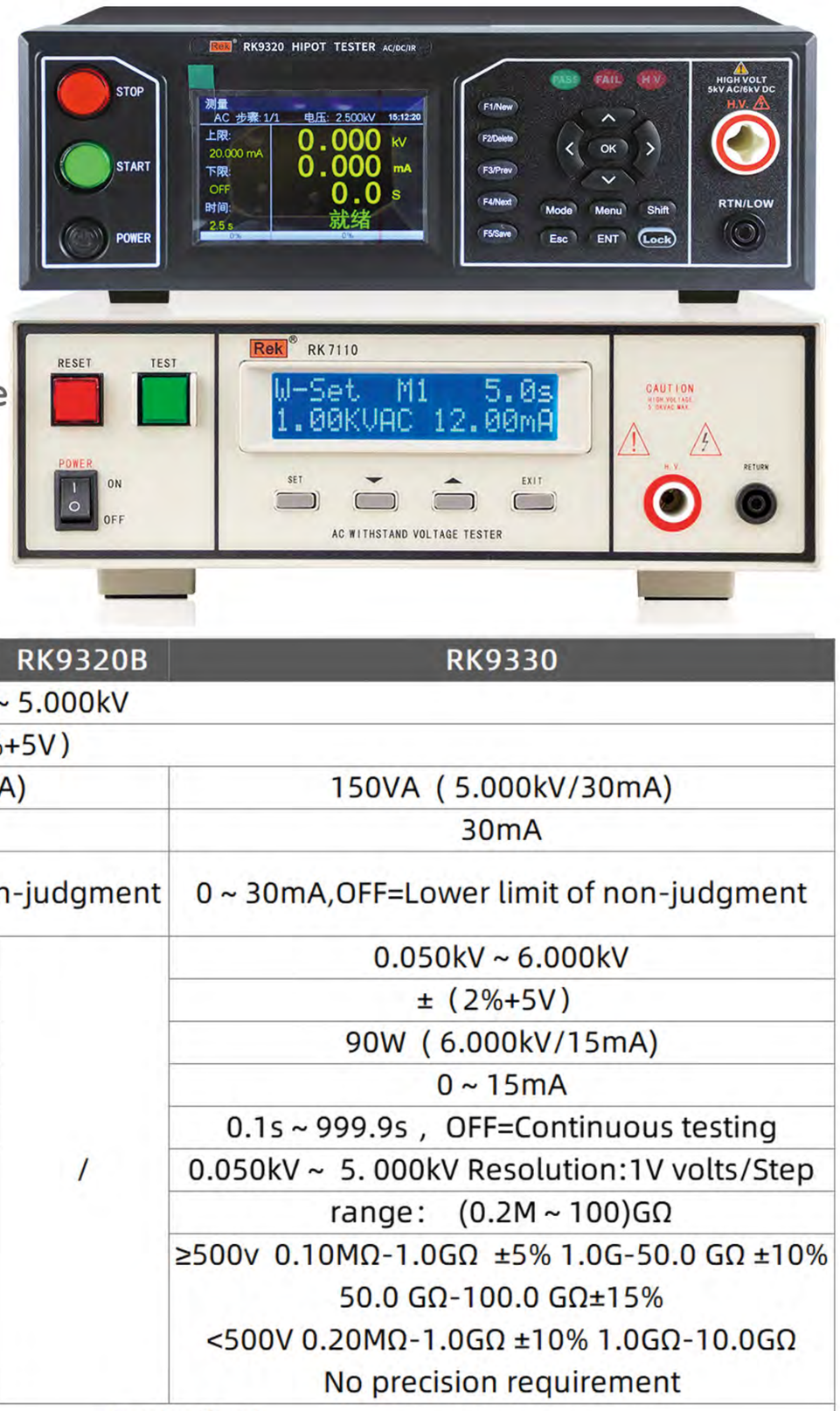
This instrument complies with IEC 60335-1, GB 4706.1, UL 60335-1 Safety of household and similar electrical appliances - Part 1: General requirements; IEC 60335-1, GB 4706-1, UL 60335-1 Information technology equipment applicable to UL 60065; IEC 8898, IEC 60065 Safety requirements for audio, video and similar electronic devices; IEC 61010-1, GB 4793.1 Safety requirements for measuring, control and laboratory electrical equipment - Part 1: General requirements.

- 5-inch TFT LCD screen display.
- Hardware contact check (RK9920S only).
- Adjustable voltage rise and fall times.
- Dual-frequency integrated testing employs
- DDS digital signal synthesis technology to generate clean, low-distortion waveforms.
- Provides interfaces including HANDLER, RS232C, RS485, and USB

model		RK9910	RK9920	RK9920S
AC/DC	Output voltage (KV)	AC:0.05-5.00 DC:0.05-6.00		
	Test accuracy	±(1.0% setting +2V)		
	Output accuracy	±(1.0% setting +5V) no load		
	Test current (mA)	AC:0.001mA-10mA DC:0.1uA-5mA	AC:0.001mA-20mA DC:0.1uA-10mA	AC:0.001mA-20mA DC:0.1uA-10mA
	Test accuracy	±(1.0% reading +5 words)		
	specification error			
IR	Output voltage (KV)	Dc: 0.05kv-5.0kv (1%+5 words)		
	Test accuracy	±(1.0% setting +2V)		
	Resistance test range	0.2MΩ-100GΩ		
	Test accuracy	≥500v 0.20MΩ-1.0GΩ ±5% 1.0G-50.0 GΩ ±10% 50.0 GΩ-100.0 GΩ±15% <500V 0.10MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ No precision requirement	≥500v 0.10MΩ-1.0GΩ ±5% 1.0G-50.0 GΩ ±10% 50.0 GΩ-100.0 GΩ±15% <500V 0.20MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ No precision requirement	
	Discharge function	Automatic discharge after the test		
Arc detection	Current measuring range	1mA-20mA		
testTime		0.1S-999.9S		
Output frequency		50Hz/60Hz		
Input characteristics		115V/230V±10% 50Hz/60Hz		
Test alarm		Buzzer, LCD display, FAIL indicator		
Keyboard lock		Independent keyboard lock key		
screen size		5-inch TFT LCD		
communication interface		HANDLER, RS232, RS485, USBDRV (computer interface), USB Host (USB flash drive interface).		
Voltage rise time		0.1S-999.9S		
Test time setting (AC/DC)		0.1S-999.9S		
Voltage drop time		0.1S-999.9S		
waiting time		0.1s-999.9S		
packet		16M flash, each file can store 20 test steps.		
Overall dimension (DxWxH)		430*350*105mm		
weight		13.6KG	14.35KG	14.35KG
Standard fittings		Test clamp, grounding clamp, cross uncontrolled high voltage bar, power cord, RS232 serial port connecting cable, and upper computer software (downloaded from official website).		
Optional accessories (complete set)		RS232-to-USB connector, USB connector, RK501 insulation spot check box, RK00031 and RK101 series spot check boxes, RK00070 serial port option LAN port, RK00124 foot switch.		
Hardware contact check		without		have

RK9330/RK9320/ RK71series

Programmable insulation withstand voltage tester



Multiple interfaces

Arc detection

- △ Dual-frequency comprehensive test
- △ The voltage rise according to that set time gradient, Analytical break down point (RK71 series)
- △ Adjustable high voltage rise and fall time
- △ Bilingual operation interface in Chinese and English
- △ Arc detection function
- △ HANDLER, RS232C, RS485, USB and other interfaces are provided.

model		RK9310	RK9320	RK9320A	RK9320B	RK9330
ACW	voltage range	0.050kV ~ 5.000kV				
	Voltage accuracy	± (2%+5V)				
	Maximum output power	50VA (5.000kV/10mA)	100VA (5.000kV/20mA)			150VA (5.000kV/30mA)
	Maximum rated current	0~10mA	0~20mA			30mA
	Lower limit current range	0 ~ 10mA,0=Lower limit of non-judgment	0 ~ 20mA,OFF=Lower limit of non-judgment			0 ~ 30mA,OFF=Lower limit of non-judgment
DCW	voltage range	0.050kV ~ 6.000kV			/	0.050kV ~ 6.000kV
	Voltage accuracy	± (2%+5V)				± (2%+5V)
	Maximum output power	30W (6.000kV/5mA)	60W (6.000kV/10mA)			90W (6.000kV/15mA)
	Maximum rated current	0 ~ 5mA	0 ~ 10mA			0 ~ 15mA
	testTime	0.3s ~ 999.9s , OFF=Continuous testing				0.1s ~ 999.9s , OFF=Continuous testing
IR	Output voltage setting	0.050kV ~ 5. 000kV Resolution: 1V volts/Step		/		0.050kV ~ 5. 000kV Resolution:1V volts/Step
	Resistance test range	range: (0.2M ~ 100)GΩ				range: (0.2M ~ 100)GΩ
	Resistance meter	≥500v 0.10MΩ-1.0GΩ ±5% 1.0G-50.0 GΩ ±10% 50.0 GΩ-100.0 GΩ±15% <500V 0.20MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ No precision requirement		/		≥500v 0.10MΩ-1.0GΩ ±5% 1.0G-50.0 GΩ ±10% 50.0 GΩ-100.0 GΩ±15% <500V 0.20MΩ-1.0GΩ ±10% 1.0GΩ-10.0GΩ No precision requirement
Arc detection		1mA-10mA	1mA-20mA			
Input characteristics		100V~240V 50Hz/60Hz				
Test alarm		Buzzer, LCD display, FAIL indicator				
communication interface		HANDLER, RS232, USB interface, LAN				
storage		64M flash can store 50 test steps per file.				
External volume (W × D × H)		400X260X100mm				440X260X130mm
Weight (KG)		7KG				9.25KG
Optional standard accessories		Power line RK00001, RS232 communication cable RK0002, instruction manual (electronic version), test line RK00048, test line RK26003A, MODBUS test host computer (downloaded from official website).				
Optional parts		RK00031USB to RS485 bus serial line industrial grade, RS232 to USB line RK00003, high voltage stick RK8N+, RK00124 foot switch.				
Contact inspection		Optional on or off.				

model		RK7110	RK7112	RK7122	RK7120
AC/DC	Output voltage	AC:0 ~ 5kV		AC:0 ~ 5kV DC:0 ~ 6kV	
	Accuracy test	± (2%set value+5V)			
	Test current	AC:0.10 ~ 12.00mA		AC:0.10 ~ 12.00mA DC:0.10 ~ 5.00mA	
	Test accuracy	± (2%set value+2 Counts)			
IR	Output voltage	/	DC: 0.10 ~ 1.00kV		/
	Display accuracy		± (2%set value+1 Count)		
	Test resistance		1 ~ 1000 MΩ		
	Test accuracy		± (5% reading + 2 counts) DC: Voltage ≥ 500V ± (7%		
testTime		0.2 ~ 999.9s			
Output frequency		50Hz/60Hz (selectable)			
Output characteristics		Single-phase 47 ~ 63Hz, 115V/230V AC±15% (selectable)			
Memory group		5 memory groups, 4 test modes per group (W, IW ~ I, I ~ W interlocking)			
Keyboard lock		Selectable "Locked" or "Unlocked"			
Overall dimension (DxWxH)		370*281*90mm			
weight		7.6kg		7.8kg	
accessory part		Test leads, grounding wires, power cords			
select to breed		RK26051, RK26051-2, RK101 series inspection boxes, RK501 insulation inspection box, RK00124 foot switch			

Three-digit LED display

AC/DC 5KV universal withstand voltage tester

- The output voltage is regulated by a voltage regulator, featuring high reliability and durability.
- A high-brightness LED digital tube display shows the breakdown current and voltage values in real time.
- The alarm current value can be continuously and arbitrarily preset.
- Optional PLC signal input and output interfaces allow it to form a comprehensive testing system with a PLC.

RK267series

withstand voltage tester

This series of testing instruments conforms to the following standards:household appliance standards (IEC6035, GB4706.1-2001,GB4793.1-2007),lighting standards (IEC60598-1-1999, GB7000.1-2000), information technology standards (GB8898-2001, GB12113, GB4943-2001, IEC60065, IEC60950), etc.

RK2672EM withstand voltage tester

RK2672AM withstand voltage tester

RK2671DM withstand voltage tester

model		RK2670AM	RK2672AM	RK2672BM	RK2672CM	RK2672DM	RK2672DF
AC	Output voltage	0 ~ 5kV					
	Test current	0 ~ 2/20mA		0 ~ 2/20/100mA		0 ~ 2/20/200mA	
DC	Output voltage	/	0 ~ 5kV	/	0 ~ 5kV		/
	Test current	/	0 ~ 2/10mA	/	0 ~ 2/20mA		/
Test accuracy		± (5% + 3 characters)					
testTime		0.0s ~ 999s 0.0 = Continuous test					
transformer capacity		100VA		500VA		1000VA	
PLC interface		Optional					
power requirement		AC：220V±10% 50Hz/60Hz±3Hz					
working		Temperature: (0-40)℃ Humidity ≤75%RH					
Overall dimension		320*270*180mm	320*280*180mm		407*378*193mm		
weight		9.75Kg	10.1kg	14.4kg	20.1kg	24.8kg	24.2kg
accessory part		High voltage test leads, high voltage rods, grounding wires, power cords					
select to breed		RK8N+, PLC interface, RK-16G, RK101 withstand voltage inspection box, RK00124 foot switch					

model	RK 2672 E	RK 2672 EM
Test Voltage (AC)	0 - 5 k V (± 5% + 3 characters)	
Leakage Current (AC)	0 - 2 / 20 / 200 / 500 m A (± 5% + 3 characters)	
Test Voltage (DC)	/	0 - 6 k V (± 5% + 3 characters)
Leakage Current (DC)	/	0 - 2 / 20 / 200 m A (± 5% + 3 characters)
Timing	0-999 S Manual Control	
Output Power (Pmax)	2500 VA	
Transformer Capacity	3000 VA	
Control	External Control Interface	
Alarm Method	Audible and Visual Alarm	
Voltage Regulation Method	Continuously Adjustable Output Voltage	
Preset Current Regulation	Preset Potentiometer Adjustment	
Interface	Optional PLC Interface	
Power Supply	AC 220 V ± 10% 50 Hz/ 60 Hz	
Machine Dimensions (DxWxH)	540*650*820 excluding wheels (925 including wheels)	
Weight	76.1 KG	80.25 KG
Accessories	RK26103 grounding wire, RK8H+ high voltage test rod, RK26101 (cross) high voltage test rod, RK00008 power cord, RK00009 power adapter box	
Optional Equipment	Withstand voltage tester, RK00124 foot switch	

model		RK2671AM	RK2671BM	RK2671CM	RK2671DM	RK2671E	RK2671EM
Output voltage	AC	0 ~ 5/10kV			(0.00 ~ 10.00)kV		
	DC	0 ~ 5/10kV			(0.00 ~ 10.00)kV	/	(0.00 ~ 10.00)kV
Test current	AC	0 ~ 2/20mA	0 ~ 2/20/50mA	0 ~ 2/20/100mA	2mA、20mA、100mA	2mA、20mA、200mA	
	DC	0 ~ 2/10mA	0 ~ 2/20mA		2mA、20mA、100mA	/	2mA、20mA、100mA
Test Accuracy		(± 5% + 3 characters)					
Test Time		0.0s ~ 999s 0.0=Continuous testing					
Transformer		200VA	500VA	1000VA		2000VA	
PLC Interface		Optional configuration					
Power		AC: 220V±10% 50Hz/60Hz±3Hz					
Operating		Temperature: (0-40)℃ Humidity: ≤75%RH					
Dimensions		377*282*193mm	378*407*193mm		435*490*227mm	493*440*230mm	
Weight		15.9kg	24.8kg	27.6kg	44.85KG	46.15KG	48KG
Accessories		High voltage test leads, high voltage rods, grounding wires, power cords			Power cord RK00018, high voltage test lead RK00015, grounding wire RK26103		
Optional		RK8N+, RK-16G, RK101 series inspection boxes;			RK00124 Foot Switch		

model		RK2674-15	RK2674-AC20	RK2674A	RK2674B	RK2674C
AC	Output voltage	0 ~ 15kV	0 ~ 20kV		0 ~ 30kV	0 ~ 50kV
	Test current	0 ~ 2/20mA				0 ~ 2/20/40mA
DC	Output voltage	0 ~ 15kV	/	0 ~ 20kV	0 ~ 30kV	0 ~ 50kV
	Test current	0 ~ 2/20mA	/	0 ~ 2/10mA	0 ~ 2/20mA	
Test accuracy		(± 5% + 3 characters)				
testTime		0.0s ~ 999s 0.0=Continuous testing			1 ~ 999s±1%	1 ~ 99s±1%
transformer capacity		300VA	400VA		600VA	2000VA
PLC interface		Optional			none	
power requirement		AC220V±10% 50Hz/60Hz			220V±10% 50Hz/60Hz	AC220V±10% 50Hz/60Hz
working environment		Temperature: (0-40)℃ Humidity ≤75%RH				
Shape style		Taiwanese			cabinet	Separate
External dimension(DxWxH)		432*492*225mm			539*650*930mm	(1)375*279*196mm (2)695*475*835mm
weight		33.4KG	27.75Kg	33.44KG	68.84kg	(1)12.05Kg (2)63.14kg
accessory part		High voltage test leads, grounding wires, power cords				High voltage test leads, grounding wires, power cords, high voltage discharge rods, connecting wires
select to breed		RK101 series inspection box, RK00124 foot switch			RK101 Series Inspection Box	

High voltage breakdown protection
Voltage up to 100KV split type

RK2674series

Ultra-high voltage tester

The RK2674 series ultra-high voltage tester was developed based on the absorption and assimilation of advanced insulation withstand voltage testers from both domestic and international sources, and improved and perfected in light of the actual usage experiences of numerous users in my country. Its modular design keeps the operator away from the high-voltage testing area, ensuring operator safety. The ultra-high voltage tester is suitable for safety, withstand voltage, and leakage current testing of various household appliances, power supplies, high-voltage cable vehicles, transformers, motors, high-voltage terminals, and other high-voltage electrical systems.

- △ High voltage breakdown protection
- △ Split structure ensures safety
- △ The alarm current can be set arbitrarily.
- △ Time, test voltage, and test current are displayed simultaneously.

RK101/401 Withstand Voltage Tester / RK201 Withstand Voltage + Grounding Resistance Combined Tester / RK301 Grounding Resistance Tester

The purpose of using the inspection instrument is to verify whether the instrument parameters meet the standards and whether the instrument's alarm function is normal.

By setting the output of the instrument under test to one pass test point and one alarm test point, if the result is normal, it indicates that the instrument's accuracy is correct. If the test result is abnormal at the test point, it indicates that the instrument is out of tolerance and needs to be sent back to the manufacturer for recalibration.

model	RK2674-50A	RK2674-50B	RK2674-100A	RK2674-100B
Test mode	AC/DC			
Voltage test range	0.00~50.00KV		0.00~100.00KV	
Voltage accuracy	±(5%+5 words)			
Leakage current test (AC)	0~100mA			
Range (DC)	0~20mA	0~50mA	0~20mA	0~50mA
Test current accuracy	±(5%+5 words)			
transformer capacity	5000VA		10000VA	
Time test range	0-999S continuous setting, 0= continuous.			
Output waveform	50Hz sine wave			
PLC	select to breed			
Overall dimensions of main engine (D*H*W)	540*925*650mm			
Overall dimensions of flatbed car	720*850*480mm		High-pressure flatbed part: 345*1070*445mm.	
			High-voltage capacitor flatbed part: 480*820*700mm.	
weight	Host part: 55KG High-pressure flatbed part: 64.45kg		Main engine part: 89.05kg High-pressure flatbed part: 113kg High-voltage capacitor flatbed	
structure	Cabinet machine (main engine part)+flatbed car (high voltage part)			
Random accessories	Power supply line RK00051, high voltage test line RK00029, DC test box RK00077, RK00052 test line, cabinet front and rear door/power switch key, RK26105 discharge bar, backflow prevention box and fuse.		Power line RK00051, high voltage test line RK00062, DC test box RK00077, Rk0052 test line, cabinet front and rear doors/power switch key, RK00010 discharge bar, anti-reflux box, fuse.	
Optional accessories	RK00124 foot switch			

Technical parameters of each series of point inspection instruments				
RK101 Withstand Voltage Tester	The voltage is 2000V, and the alarm current is 11mA through the current 8mA.			
RK301 Grounding Resistance Tester	Current 25A, through the resistance of 90mΩ alarm resistance of 110mΩ.			
RK201 Withstand Voltage + Grounding Tester	The voltage 2kV gives an alarm of 11mA through 8mA, and the current 25A gives an alarm resistance of 110mΩ through 90mΩ.			
RK401 Leakage Tester	The voltage is 240V, the preset current is 5mA, and the alarm is 5.5mA when it passes 4.5mA.			
RK101 Withstand Voltage Tester	Voltage 2000V	Current10mA	pass8mA	Call the police11mA
RK101A Withstand Voltage Tester	Voltage 3KV	Current5mA	pass4.5mA	Call the police5.5mA
RK101B Withstand Voltage Tester	Voltage 3KV	Current10mA	pass8mA	Call the police11mA
RK101C Withstand Voltage Tester	Voltage 1.5KV	Current5mA	pass4.5mA	Call the police5.5mA
RK101D Withstand Voltage Tester	Voltage 1.5KV	Current10mA	pass8mA	Call the police11mA
RK101E Withstand Voltage Tester	Voltage 4KV	Current10mA	pass8mA	Call the police11mA
RK101F Withstand Voltage Tester	Voltage 4KV	Current5mA	pass4.5mA	Call the police5.5mA
RK101G Withstand Voltage Tester	Voltage 4.5KV	Current10mA	pass8mA	Call the police11mA
RK101H Withstand Voltage Tester	Voltage 4.5KV	Current5mA	pass4.5mA	Call the police5.5mA

AC GR

The output is driven by DDS+ linear power amplifier

Using high-speed MCU and large-scale digital circuit design

RK9930series

Programmable ground resistance tester

This instrument complies with IEC60335-1, GB4706.1, UL60335-1. Safety of household and similar electrical appliances Part I: General requirements UL60950, GB4943, IEC60950, information technology equipment UL60065, GB8898/IEC60065, audio, video and similar electronic and mechanical safety requirements IEC61010-1, GB.

- 5-inch TFT LCD display
- Bilingual operation interface in Chinese and English, Adapt to the needs of different users
- Output frequency 50Hz/60Hz is optional.
- Measure by a four-terminal method, Eliminate the influence of contact resistance
- Constant current output: output current stability rate norm Within 1%
- Using DDS digital signal synthesis technology

model		RK9930	RK9930A	RK9930B	RK9930C
Screen Size		5-inch TFT LCD screen			
Number Keys		Parameter setting digital input			
Encoding Switch		Parameter selection and confirmation function			
Up/Down/Left/Right		Parameter setting up/down selection function			
LOCK Keyboard Lock Function		Prevent accidental modification of test conditions or prevent modification of test conditions			
Alarm Function		Sound alarm			
Communication Interface		RS232C、RS485、USB			
USB Interface		Copy, copy, storage function			
Control Interface		HANDLER(PLC)			
Current	Current range	AC (3-32)A	AC (3-45)A	AC (3-70)A	AC (3-120)A
	Resolution	For voltages above 10A: 0.01A/step; For voltages below 10A: 0.001A/step;			
	Accuracy	± (2% of the set value + 0.02A)			
Voltage	Voltage range	AC 6V Max Open Circuit Voltage	AC 6V Max Open Circuit Voltage	AC 6V Max Open Circuit Voltage	
	Frequency	50/60Hz optional			
	Waveform	sine wave			
ammeter	Ammeter measurement range	AC (3-32)A	AC (3-45)A	AC (3-70)A	AC (3-120)A
	Resolution	Over 10A: 0.01A/step； ; Below 10A: 0.001A/step;			
	Accuracy	±(2% of the set value +0.1A)			
resistance meter	Oximeter measurement range	0-600mΩ, output current 3-10A; 0-120mΩ, output current 10A-32A	0-600mΩ, output current 3-10A; 0-200mΩ, output current 10A-30A; 0-150mΩ, output current 30A-45A	0-600mΩ, output current 3-15A; 0-300mΩ, output current 15A-30A; 0-100mΩ, output current 30A-50A; 0-60mΩ, output current 50A-70A	0-600mΩ, 3-15A; 0-300mΩ, 15A-30A; 0-80mΩ, 30A-60A; 0-30mΩ, 60A-120A
	Resolution	For voltages above 10A: 0.01A/step; For voltages below 10A: 0.001A/step;			For voltages above 10A: 0.01A/step; For voltages below 10A: 0.001A/step;
	Accuracy	≦ ± (2% of the reading + 1mΩ)			
Timer Range		0-999.9S, resolution: 0.1S/step, accuracy: ≤ ±50ms			
Compensation Method		Manual or automatic, maximum offset: 100mΩ, accuracy: ≤ ± (2% of the reading + 1mΩ)			
Judgment Value Setting Resistor Upper Limit Range		0-600mΩ, resolution: 1mΩ, accuracy: ≦ ± (2% of the reading + 1mΩ)			0-600mΩ, resolution: 1mΩ, accuracy: ≤ ± (2% of the reading + 1mΩ). For currents ≤10A, no accuracy requirement is needed for 0~10mΩ.
Test Time Range Setting		0-999.9S, where 0 indicates continuous.			
Operating Temperature and		0℃-40℃，≦75%RH			
Power Supply		100V-121V，198V-242V，47.5-63Hz			
Weight		12.15KG	12.9KG	12.85KG	35KG
Standard Accessories		RS232 to USB cable, USB to square port cable, grounding test clip, power cord, RS232 serial port cable, host computer (downloadable from official website)			RK-12 (120A) test cable, power cord, RS232 serial port cable, RS232 to USB cable, USB to square port cable, RK260003A test cable, RK00048 test cable, host computer (downloadable from official website)
Optional Accessories (Complete Set)		RK00031, RK301 grounding point detection box, RK00070 serial port option LAN port			RS485 to USB cable, RK00031, RK101W grounding point detection box, RK00070 serial port option LAN port

RK7305

Programmable ground resistance tester

Programmable | Memory of 5 sets of test conditions | AC GR

The RK7305 grounding resistance tester is used to measure the grounding resistance inside electrical equipment. It reflects the (contact) resistance between the exposed conductive parts of the electrical equipment and the main grounding terminal of the electrical equipment.

△ The RK7305 and RK7122 can be connected to form a two-in-one withstand voltage grounding and three-in-one withstand voltage insulation grounding tester, which is convenient and flexible.

model	RK7305		
Input power supply	50/60Hz±5% 115/230VAC±10%	Test Result Output Method	Buzzer, LCD digital display, control interface status output
Output current	3-32Aac constant current source, resolution: 0.1A/step, accuracy: ±(2% setpoint + 0.02A)	Memory Group	5 sets of test condition memory
Output voltage	6Vac MAX (measurement with open circuit)	Calibration Method	Software calibration
Output frequency	50Hz/60Hz selectable	Display	16×2 backlit LCD display
Resistance range	0-600mΩ, output current 3-10A; 0-120mΩ, output current 10A-32A, resolution: 1mΩ/step	Temperature and Humidity	0℃ ~ 40℃, ≤75%RH
Zero point adjustment	MAX 100mΩ, resolution: 1mΩ/step, accuracy: ±(2% of reading + 1 digit)	Dimensions (D×W×H)	370mm×290mm×100mm
Upper limit setting	Range: 0-600mΩ, resolution: 1mΩ/step, accuracy: ±(2% setpoint + 1 digit)	Standard Accessories	RK00001 power cord, RK00005 test leads, RK00002 cable
Test time	Range: 0.5-999.9 seconds (0 = continuous test)	Safety Lock	Keyboard lock function
Control Interface	Inputs: TEST, RESET, WITHSTAND PROCESSING. Outputs: PASS, FAIL, TEST-IN-PROCESS.	Weight	8.85KG
		Fuse	3.15A

RK2678XMseries

Ground resistance tester

AC grounding | Optional PLC interface

This series of testing instruments conforms to the following standards: household appliance standards (IEC6035, GB4706.1-2001, GB4793.1-2007), lighting standards (IEC60598-1-1999, GB7000.1-2000), information technology standards (GB8898-2001, GB12113, GB4943-2001, IEC60065, IEC60950), etc.

△ Maximum test current of 32A conforms to GB4743.1-2011 standard.

△ Minimum time resolution is 0.1s.

△ The four-terminal measurement method eliminates the influence of contact resistance on the measurement results.

△ Overcurrent protection, simple operation, and high reliability.

Model Number	RK2678XM（32A）	RK2678XM（70A）
Output Current	5 ~ 32A	5 ~ 70A
Test Resistance	10.0 ~ 200mΩ（32A） 200 ~ 600mΩ(10A)	10.0 ~ 200mΩ（70A） 200 ~ 600mΩ(10A)
Test Accuracy	±5%	
Test Time	0.0s ~ 999s 0.0=Continuous testing	
PLC Interface	Optional	
Power Requirements	220V±10% 50Hz±5%	
Operating Environment	0℃ ~ 40℃ ≤85%RH	
Weight	9.15Kg	11.65Kg
Accessories	Test leads, power cords	
Optional Equipment	PLC interface, RK301 inspection box	

DC GR

RK9931series

Programmable ground resistance tester

This instrument complies with IEC 60335-1, GB 4706.1, UL 60335-1 Safety of household and similar electrical appliances - Part 1: General requirements, UL 60950, GB 4943, IEC 60950 Information technology equipment, UL 60065, GB 8898/IEC 60065 Safety requirements for audio, video and similar electromechanical equipment, IEC 61010-1, and GB 4793.1 Safety requirements for measuring, control and laboratory electrical equipment - Part 1: General requirements.

- 5-inch TFT LCD screen displays
- Bilingual (Chinese and English) user interface, catering to the needs of different users.
- Output frequency selectable 50Hz/60Hz
- Measurement method employed (four-terminal method)Eliminating the influence of contact resistance
- Constant current output: Output current stability within 1%;
- employs DDS digital signal synthesis technology.

model		RK9931A	RK9931B	RK9931C
Screen Size		5-inch TFT LCD screen		
Number Keys		Digital input for parameter settings		
Encoding Switch		Parameter selection and confirmation function		
Up/Down/Left/Right		Up/down selection function for parameter settings		
Function Keys				
LOCK Keyboard		Prevents accidental modification of test conditions or prevents modification of test conditions		
Lock Function				
Alarm Function		Audio alarm		
Communication Interface		RS232C, RS485, USB		
USB Interface		Copy, duplicate, and save functions		
Control Interface		HANDLER (PLC)		
Current	Current range	DC (3-40)A	DC (3-60)A	DC (3-100)A
	Resolution	For voltages above 10A: 0.01A/step; For voltages below 10A: 0.001A/step;		
	Accuracy	± (2% of the set value + 0.02A)		
Voltage	Voltage range	DC 8V Max Open circuit voltage	DC 12V Max Open circuit voltage	
ammeter	Ammeter measurement range	DC (3-40)A	DC (3-60)A	DC (3-100)A
	Resolution	For voltages above 10A: 0.01A/step; For voltages below 10A: 0.001A/step;		
	Accuracy	± (2% of the set value + 0.1A)		
resistance meter	Oximeter measurement range	0-600mΩ, output current 3-15A; 0-120mΩ, output current 10A-40A	0-600mΩ, output current 3-15A; 0-300mΩ, output current 15A-30A; 0-100mΩ, output current 30A-50A; 0-60mΩ, output current 50A-60A.	0-600mΩ, output current 3-15A; 0-300mΩ, output current 15A-30A; 0-100mΩ, output current 30A-50A; 0-50mΩ, output current 50A-100A
	Resolution	Above 10A: 0.01A/step; Below 10A: 0.001A/step;		
	Accuracy	≤ ±(2% of reading value + 1mΩ)		
Timer Range		0-999.9S, Resolution: 0.1S/step, Accuracy: ≤ ±50ms		
Compensation Method		Manual or Automatic, Maximum Offset: 100mΩ, Accuracy: ≤ ±(2% of reading value + 1mΩ)		
Judgment Value Setting Resistor		0-600mΩ, Resolution: 1mΩ, Accuracy: ≤ ±(2% of reading value + 1mΩ)		
Upper Limit Range		For current ≤10A, no accuracy requirement for 0~10mΩ.		
Test Time Range Setting		0-999.9S, 0 indicates continuous		
Operating Temperature and		0℃-40℃，≦75%RH		
Power Supply		100V-121V，198V-242V，47.5-63Hz		
Dimensions (D×H×W)		539.8x106x350mm		539.8x256x350mm
Weight		13.5KG	14.5KG	31KG
Standard accessories		Grounding test clip, power cord, RS232 serial port connection cable, USB to square port connection cable, RS232 to USB cable, host computer (downloadable from the official website)		RK-12 (120A) test cable, power cord, RS232 serial port cable, USB to square port cable, RS232 to USB cable, RK260003A test cable, RK400048 test cable, host computer (downloadable from official website)
Optional accessories		RS485 to USB cable, RK00031, RK301 grounding point detection box, RK00070 serial port option LAN port		

RK9950series

Programmable leakage current tester

Multiple interfaces allow for easy and rapid assembly into a comprehensive testing system.

- 5-inch TFT LCD screen display
- Leakage current test human body network GB970 6.1-2007 (IEC60601 -1:1998)
- The front panel has a USB port for copying files.
- Bilingual Chinese and English user interface
- Provides PLC remote control interface, RS232C, RS485, USB and otherinterfaces
- built-in 16M Flash.

model		RK9950	RK9950A（500VA）	RK9950B（1000VA）
Basic functions	Screen size	5 inch TFT LCD screen		
	Number keys	Parameter setting digital input		
	Encoding switch	Parameter selection and confirmation function		
	Up/down/left/right function keys	Parameter setting up and down selection function		
	LOCK keypad	Prevent accidental modification of test conditions or prohibit test conditions from being modified.		
	Lock function			
	Alarm function	Sound alarm		
	Communication interface	RS232C、RS485、USB		
	USB interface	Copy, copy, storage function		
	Control interface	HANDLER(PLC)		
test mode		Dynamic and static		
Load voltage (AC)	Range	0-300V	30-300V	30-300V
	Accuracy	± (2% × displayed value + 0.5V)	± (1.5% of the reading + 1V)	± (1.5% of the reading + 1V)
	Frequency	50/60HZ	45~65HZ	45~65HZ
Load current (AC)	Maximum	25A	2.5A	4.5A
overcurrent protection		Audible and visual alarm, cut off load output		
Leakage current setting		Upper limit setting		
	range	0.001-20.00mA		
		Lower limit setting		
	range	0.000-20.00mA		
	explain	The lower limit is set to 0 without judgment.		
Leakage current test	Range and accuracy	0.001-0.050ma (1.5% reading value +5 words) (B network) 0.050-20.00 Ma (1.5% read value +5 words) (B network) 0.050-20.00 Ma (1.5% read value +5 words) (B network) 10kHz-1mhz (3% read value +5 words) (non-B network)		
MD simulated human body network	8 standard networks	MD-A(GB/T12113-2003、GB4793.1-2007)、MD-B B1(GB/T12113-2003、GB4793.1-2007、GB4706.1-2005、GB4943.1-2011、GB8898-2011、GB7000.1-2015)、MD-C(GB/T12113-2003、GB7000.1-2015)、MD-D（GB4793.1-2007）、MD-E（GB4943.1-2011、GB4793.1-2007）、MD-F(IEC60598-1:2014、GB4793.1-2007)、MD-G(GB4943.1-2011、IEC60950-1:2005、GB4793.1-2007、IEC61010-1:2001)		
Test time	Scope	Single timed test: 0.1-999S ±1%; shutdown time is for continuous testing (N-phase test).		
	Description	When setting the test time to 0S, only the N-line is tested, without L-line conversion.		
output rating		No built-in transformer	500VA	1000VA
External power supply		External connection	internally installed	
Operating temperature and humidity		0°C~40°C,(5~80)%RH，Less dust		
Power Supply		100V-121V，198V-242V，47.5-63Hz		
Fuse specification		2A 250V	8A 250V(slow melting)	10A 250V(slow melting)
weight		8.5KG	17.1KG	19.7KG
Standard fittings		Test cable, data cable, power cable, RS232-to-USB connection cable and USB-to-square port connection cable.		
Optional accessories (complete set)		RK401、RK00031		

It can measure the leakage current of various low-voltage electrical equipment.

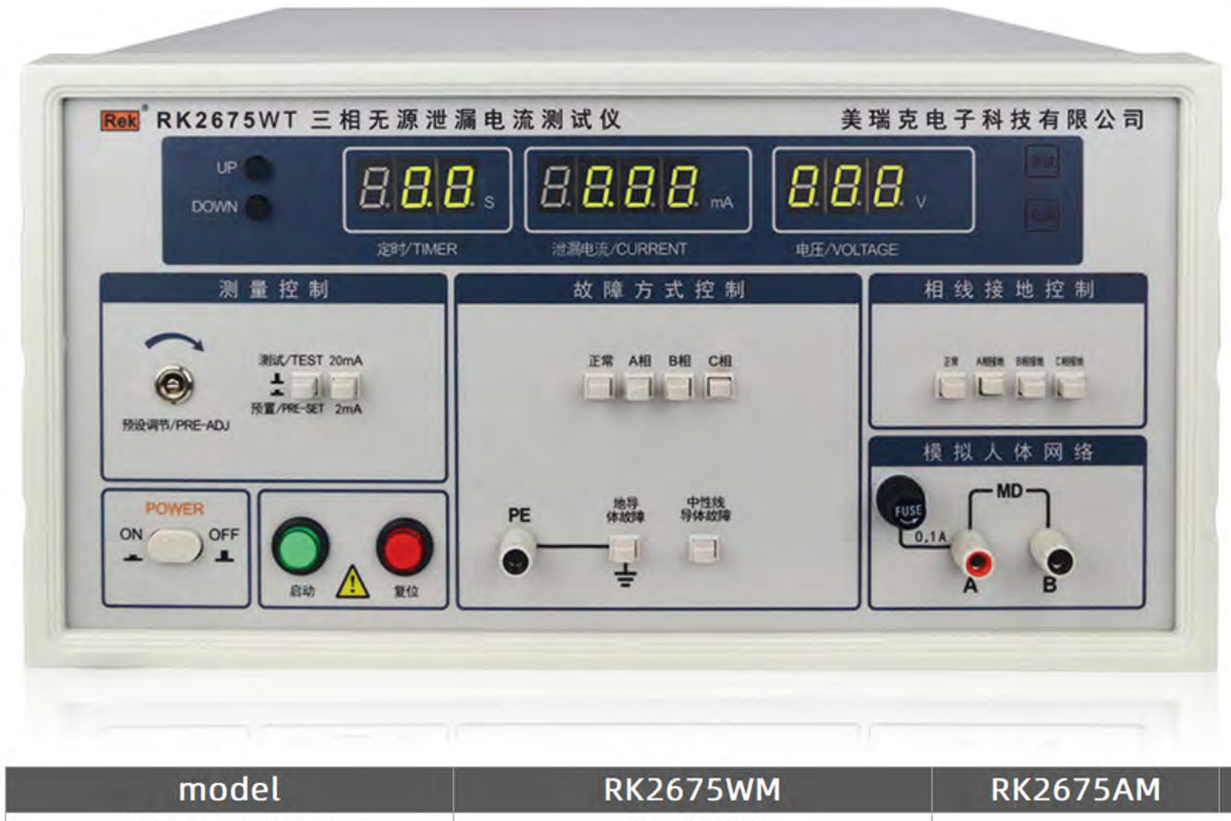
RK2675series

Programmable ground resistance tester

RK2675WT

Three-phase passive leakage tester

It can measure the leakage current of various low-voltage electrical equipment.



This series of products meets domestic and international safety standards such as GB4706.1-2005 and IEC60335.1-2004.

- It can measure the leakage current of various low-voltage electrical equipment.
- Both the leakage current value and test time can be preset.
- An audible and visual alarm will sound when the leakage current exceeds the limit.
- The test phase can be switched automatically or manually.
- The test time and alarm value can be continuously set.

model	RK2675WT
Output voltage	50 ~ 450V
Test current	0.03 ~ 2mA/2mA ~ 20mA
Test accuracy	±5%
testTime	0. 1s ~ 999s0.0 = continuous test.
transformer capacity	Passive. (30000VA three-phase isolated power supply can be provided at most)
PLC interface	select to breed
power requirement	220V±10% 50Hz±5%
working environment	0-40℃ ≤85%RH
weight	10.55kg
accessory part	Power cord

model	RK2675WM	RK2675AM	RK2675B	RK2675C	RK2675D	RK2675E
Output voltage	0 ~ 300V	0 ~ 250V				
Test current	0.03 ~ 2mA/20mA					
Test accuracy	±5%					
testTime	0.0s ~ 999s 0.0=Continuous testing		1 ~ 99s±1%			
transformer capacity	Passive (can be connected to an external 6000VA isolated power supply)	500VA	1000VA	2000VA	3000VA	5000VA
PLC interface	Optional		none			
power requirement	220V±10% 50Hz±5%					
working environment	0℃ ~ 40℃，≤85%RH					
Overall dimension (DxWxH)	318*248*176mm	316*253*166mm	410*377*200mm	493*436*240mm	500*440*236mm	514*469*249mm
weight	4.95Kg	10Kg	22.8Kg	39.1Kg	45.75Kg	68.15Kg
accessory part	power cord					
select to breed	Optional accessories (PLC interface includes RK00002 connecting cable), RK401 inspection box, RK00017 (passive leakage test cable).					

RK268series

Insulation resistance tester

Insulation material testing

The test resistance can reach 10TΩ

This series of instruments meets the requirements of Group II in the Ministry of Electronics Industry standard GB6587.1 "General Outline of Environmental Testing for Electronic Measuring Instruments".

- Defect detection function
- It has automatic voltage regulation function
- Standard configuration includes host computer software (RK2683 series)
- The RK2683 series is a professional instrument that integrates an insulation resistance meter, picoammeter, digital potentiometer, and digital high-voltage powermeter.
- Sorting function, sorting signal settings (RK2683 series)

Model	RK2681N	RK2681AN	RK2682N
Test Resistance	100KΩ ~ 5TΩ	100KΩ ~ 10TΩ	500KΩ ~ 2GΩ
Test Accuracy	R < 1gΩ: 3% reading +0.5 grid		±5%+2个字
Output Voltage (V)	10/25/50/100/250/500	10/50/100/250/500/1000	500/1000
Voltage Accuracy	±2%		
Control Method	Analog circuits		Digital circuits
Range Method	Manual		
Measurement Speed	Resistive element: <0.5 seconds; Capacitive element: 0.5-10 seconds		
Operating Environment	0℃ ~ 40℃，≤85%RH		
Power Supply Requirements	220V±10%，50Hz/60Hz±5%		
Dimensions (DxWxH)	370*353*120mm		320*270*115mm
Weight	6kg		5.1kg
Accessories	Power cord, test cable		
Optional Equipment	RK501 Insulation Inspection Box		

Model Number	RK2683AN	RK2683BN
Test Resistance	10KΩ ~ 10TΩ	10KΩ ~ 5TΩ
Test Accuracy	I > 10nA：±2% I < 10nA：±5% I < 1nA：±10%	
Output Voltage	0.5-1000V	0.5-500V
Voltage Accuracy	V > 10V:±0.25%±0.5V. V≤10V:±1%±0.5V.	
Display Method	4.3-inch LCD color screen	
Range Method	Manual/Automatic	
Measurement Speed	Fast: Single measurement time ≤80ms	
Sorting	Slow: Single measurement time ≤120ms	
Trigger	Three-level pass/fail, two-level fail, selectable single-point sorting and interval sorting	
Memory	Internal trigger, external trigger, foot switch trigger	
Standard Interface	Internal and external USB flash drive	
Operating Environment	RS-485, RS-232C, Handler (PLC) interface, USB HOST, USB DEVICE	
Power Requirements	10℃ ~ 40℃, ≤80%RH	
Weight	AC220V±10%, 50Hz/60Hz±5%	
Dimensions (D*W*H)	4.6kg	
Accessories	336*216*87mm	
Optional Equipment	Power cord, test leads, RS232, USB communication cable, HANDLER junction box, host computer software	

医安

MEDICAL SAFETY TESTER

P25-P30

Medical safety tester

用规

It is widely used in various electrical equipment that require the detection of "flashover" defects, and is an indispensable withstand voltage tester for medical electrical equipment manufacturers, maintenance departments, users, product quality inspection departments, and technical supervision departments.

definition: This comprehensive medical safety testing instrument is widely applicable to medical equipment. Test items include AC/DC withstand voltage, insulation resistance, grounding resistance, leakage current, and arc detection.

Models include programmable medical withstand voltage testers, programmable medical leakage testers, programmable medical grounding resistance testers, and grounding resistance testers.

Classification: Medical Withstand Voltage Tester: Voltage requirement: kV
Current requirement: mA
Test accuracy: ±5% for standard model, ±2% for high-precision model.

Medical Grounding Resistance Tester: Resistance range: 0-600mΩ
Current requirement: A
Test accuracy: ±5% for standard model, ±2% for high-precision model.

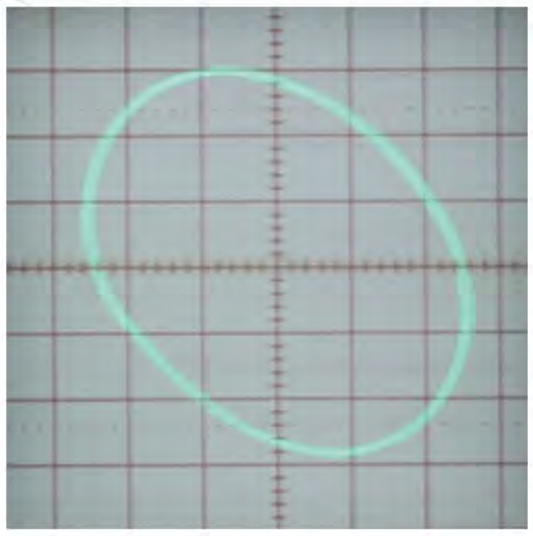
Key points for selection: Medical Leakage Current Tester: Power: Selected according to the tested item, meeting medical standards
Test accuracy: ±5% for digital display model, ±3% for programmable model.

Observing flashover and arcing phenomena using Lissajous figures

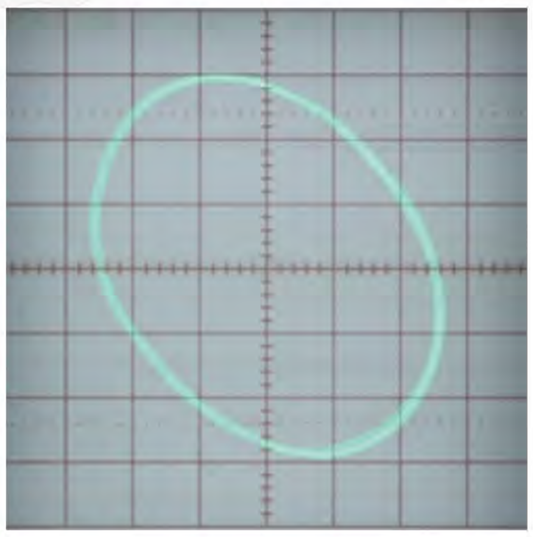
RK9910AYseries

Programmable medical withstand voltage tester

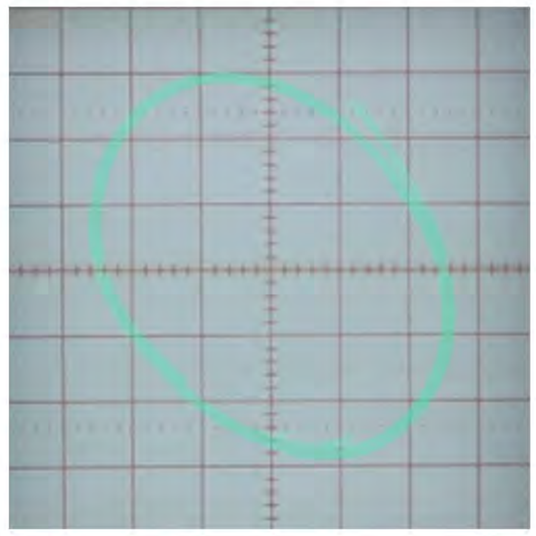
This instrument complies with GB9706.1-2020 (EC60601-1:2012) Medical Standard, Safety of Household and Similar Electrical Appliances Part 1: General Requirements, Information Technology Equipment UL60065, GB8898/IEC60065 Safety Requirements for Audio, Video and Similar Electromechanical Equipment, Safety Requirements for Measuring, Controlling and Laboratory Equipment Part 1: General Requirements.



Normal (qualified) Lissajous



Slightly curved Lissajous



Lissajous figure with severe

- Adjustable high-voltage rise and fall time
- Bilingual Chinese and English operating interface
- Features dual-frequency integrated testing
- Test steps and system status information are displayed synchronously.
- It can monitor arcing and flashover phenomena of the tested object.
- It employs DDS digital signal synthesis technology.

Model		RK9920AY	RK9910AY	RK9920BY	RK9910BY
AC/DC	Output voltage (KV)	AC:0.05-5.00	DC:0.05-6.00	AC:0.05-5.00	
	Test accuracy	±(2.0% setting +2V)			
	Output accuracy	±(2.0% setting +5V) No load			
	Test current (mA)	AC:0.001mA-20mA DC:0.1uA-10mA	AC:0.001mA-10mA DC:0.1uA-5mA	AC:0.001mA-20mA	AC:0.001mA-10mA
	Test accuracy specification error	± (2.0% reading + 5 digits)			
Arc detection	Current measuring range	1mA-20mA			
testTime		0.1S-999.9S			
Output frequency		50Hz/60Hz			
Input characteristics		115V/230V±10% 50Hz/60Hz			
Test alarm		Buzzer, LCD display, FAIL indicator light			
Keyboard lock		Independent keyboard lock key			
screen size		5-inch TFT LCD			
communication interface		HANDLER, RS232, RS485, USBDRV (computer interface), USBHOST (USB flash drive interface)			
Voltage rise time		0.1S-999.9S			
Test time setting (AC/DC)		0.2S-999.9S			
Voltage drop time		0.1S-999.9S			
waiting time		0.2S-999.9S			
packet		20 test files, each file can store 20 test steps			
weight		15KG	14KG	15KG	14KG
Standard fittings		Test leads, grounding wire, cross-shaped uncontrolled high-voltage probe, power cord, high-voltage probe, BNC wire, RS232 serial port connection cable, host computer software (downloadable from official website)			
Optional accessories (complete set)		RS232 to USB connection cable, USB to square port connection cable, RK101 series inspection box, RK00031 (USB to 485), RK00070 serial port option LAN port, RK00124 foot switch			

Programmable medical withstand voltage tester

RK9320AYseries

Programmable medical withstand voltage tester

RK267Yseries

Medical withstand voltage tester

Model		RK9320AY
AC/DC	Output voltage (KV)	0.050kV ~ 5.000kV
	Test accuracy	± (2%+5V)
	Output accuracy	100VA (5.000kV/20mA)
	Test current (mA)	20mA
	Test accuracy	0 ~ 20mA,0= no judgment lower limit.
	specification error	sine wave
Output frequency		50Hz/60Hz
testTime		testTime
Arc detection		1mA-20mA
Input characteristics		100V~240V 50Hz/60Hz
Test alarm		Buzzer, LCD display, FAIL indicator
screen size		3.5-inch TFT LCD screen
communication interface		HANDLER, RS232, USB interface, LAN
storage		16M flash can store 50 test steps per file.
Weight (KG)		6.5KG
Optional standard accessories		Power line RK00001, RS232 communication cable RK0002, instruction manual (electronic version), RK8N+ high voltage bar, test line RK00048, test line RK26003A, MODBUS test host computer (downloaded from official website) and BNC line.
Optional parts		RK00031USB to RS485 bus serial line industrial grade, RS232 to USB cable RK00003, RK00124 foot switch.
Contact inspection		Optional on or off.

Using an oscilloscope interface, observe flashover and arcing phenomena graphically via Lissajous figures.

This instrument complies with GB9706.1-2020 (EC60601-1:2012) Medical Standard, Safety of Household and Similar Electrical Appliances Part 1: General Requirements, Information Technology Equipment UL60065, GB8898/IEC60065 Safety Requirements for Audio, Video and Similar Electromechanical Equipment, Safety Requirements for Measuring, Controlling and Laboratory Equipment Part 1: General Requirements.

- Utilizing DDS digital signal synthesis technology
- Adjustable high voltage rise and fall times
- Arc detection function
- Dual-frequency integrated testing

Model		RK2672CY	RK2670YM	RK2672YM	RK2671AY
ACW	Output Voltage Range	(0.00~5.00) kV			(0.00~10.00) kV
	Maximum Output Power	500VA (5.00kV 100mA)	100VA (5.00kV 20mA)	100VA (5.00kV 20mA)	200VA (10.0kV/20mA)
	Maximum Rated Current	100mA	20mA	20mA	20mA
	Current Range	2mA、20mA、100mA	2mA、20mA	2mA、20mA	2mA、20mA
	Output Waveform	sine wave			
	Output Waveform Distortion	≤5% (no-load or pure resistance load)			
	Test Time	0.0S-999S 0= continuous test.			
DCW	Output Voltage Range	(0.00~5.00) kV	/	(0.00~5.00) kV	(0.00~10.0) kV
	Maximum Output Power	100VA (5.00KV 20mA)		50VA (5.00KV 10mA)	100VA(10.0KV/10mA)
	Maximum Rated Current	20mA		10mA	
	Current Range	2mA、20mA		2mA、10mA	
	Ripple Factor	≤5%		≤5%	
	Test Time	0.0S-999S 0= continuous test.		0.0S-999S 0= continuous test.	
voltmeter	Range	(0.00~5.00) kV	(0.00~5.00) kV	(0.00~5.00) kV	(0.00 ~10.0KV)
	Accuracy	±(5%+3 words)			
	Resolution	10V			
	Display Value	root mean square value			
galvanometer	Measurement Range	the measuring range is 1: 0.1ma ~ 2ma. Range 2: 2ma ~ 20ma Range 3: 20ma ~ 100ma	Range 1: 0.1ma ~ 2ma Range 2: 2ma ~ 20ma		Range 1: 0.100ma ~ 2ma Range 2: 2ma ~ 20ma
	DC	0.1mA ~ 2mA 2mA ~ 20mA	/	0.1mA ~ 2mA 2mA ~ 10mA	0.100mA ~ 2mA 2mA ~ 10mA
	Resolution	2mA range: 1uA; ; 20mA range: 10uA; ; 100mA range: 0.1mA	2mA range: 1uA 20mA range: 10uA	2mA range: 1uA; 20mA range: 10uA	2mA range: 1uA; 20mA range: 10uA; 50mA (100mA) range: 0.1mA
	Measurement Accuracy	Within the range of (5%+3 words)			
	Test Range	0.0s ~ 999s 0.0=Continuous testing			
timer	Range	0.0S-999S	0.0s ~ 999s 0.0=Continuous testing		0.0s ~ 999s
	Minimum Resolution	0.1S	/		0.1s
	Accuracy	± (1%+50ms)			± (1%+50ms)
transformer capacity		500VA	100VA		200VA (10.0kV/20mA)
power requirement		AC: 220V±10% 50Hz/60Hz±3Hz			
working environment		Temperature: (0-40)℃ Humidity ≤75%RH			
PLC interface		select to breed			
External control interface		standard configuration			
Overall volume (D×H×W)		407*199*378mm	318*253*178mm	313*248*175mm	378*278*197mm
weight		20.45KG	9.75KG	10.35KG	15.35Kg
Standard attachment		Power line RK00001, high voltage test line, grounding line, BNC line, high-voltage gun.			
select to breed		PLC interface, RK101 series spot check box, RK00124 foot switch.			

Compliance with metrological verification regulations: JJG1188-2022.

RK7500YJseries

Programmable medical leakage current tester

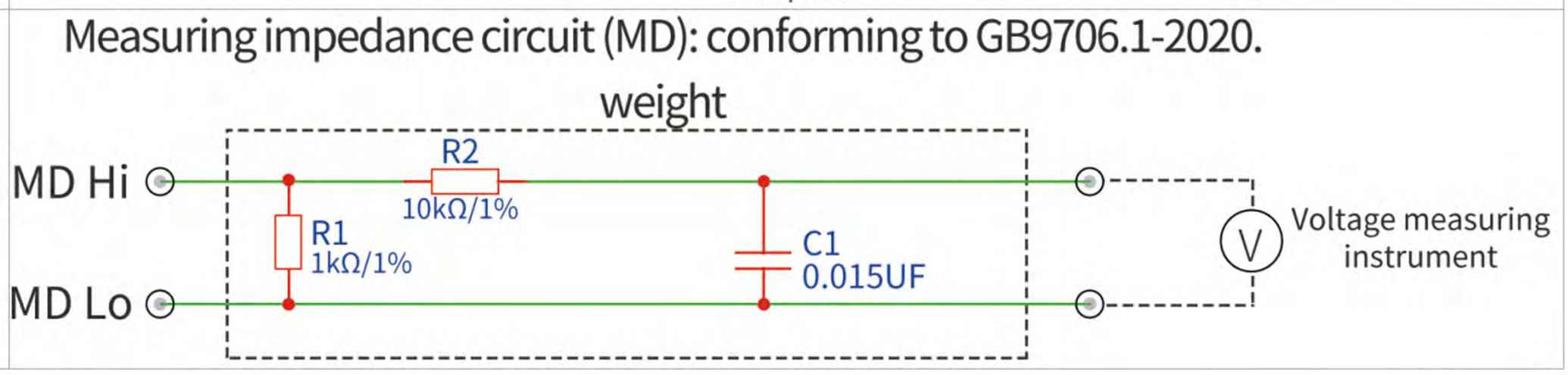
This instrument can be used to test the floor leakage current, casing leakage current, patient leakage current and patient auxiliary current of various types of internal power supplies of Class I and Class II and medical electrical equipment of Type B, BF and CF, and it is in line with the medical GB9706.1-2020 standard.

△ Supports the maximum RMS range of 10mA leakage current.

△ Meet the requirements of GB9706.1-2020 and other standards: built-in medical simulated human body network.

△ It can complete the test of floor drain current, patient leakage current and other items with one key, and can also be tested by items.

△ It has 5 groups of memory functions, and the setting parameters and the number of shifts have PLC interface, which can be controlled externally.

Model	RK7505YJ	RK7510YJ	RK7520YJ	RK7530YJ	RK7550YJ	RK7550YJ-2
testing device	Automatic range switching, true RMS measurement					
Medical GB9706.1-2020 standard	Leakage current measurement range: AC: I (3 ~ 99.9)uA Resolution: 0.1uA					
	AC: II (100.0 ~ 999.9)uA Resolution: 0.1uA					
	AC: III (1000 ~ 9999)uA Resolution: 1uA					
	Patient current and patient auxiliary current measurement range: DC: I (3 ~ 99.99)uA Resolution: 0.1uA					
	DC: II (100.0 ~ 999.9)uA Resolution: 0.1uA					
	/	DC: Ⅲ (1000 ~ 9999)uA Resolution: 1uA				
	Measurement accuracy: ±5% + 3 digits Note: Accuracy range is for current > 10uA					
	Frequency response range: DC ~ 1MHz					
Output voltage	Impedance measurement circuit (MD): Compliant with GB9706.1-2020					
output Voltage capacity	500VA	1000VA	2000VA	3000VA	5000VA	10000VA
electric current	Range: (3 ~ 9999) UA Resolution: 1uA Precision: (4%+3 words)					
Upper limit setting	The accuracy range is current > > 10uA.					
timing device	Range: (3 ~ 9999) s Resolution: 1S Accuracy: 5%					
Working temperature	0-40℃ ≤75%RH					
power requirement	220V±10% 50Hz/60Hz±3Hz					
joggle/interface	Standard RS232, PLC					
Memory group	Five groups of memory					
screen	LCD2004C					
weight	17.25KG	22.85KG	38.9KG	45.95KG	76.5KG	/
Instrument power consumption	< 50W					
Optional standard accessories	Power cord RK00001 (applicable to RK7505Y RK7510YJ), RS232 communication cable RK0002, RS232-to-USB cable RK00003, test cord RK00072/RK00073, quick operation guide, RK00018 power cord (applicable to RK7520YRK7530YRK7550YJ-2)					
Optional parts	RK00031 USB to RS485, RK00057 RS485 to RS232C adapter box (female to female), RK00070 serial port option LAN port.					
Weighting function	Measuring impedance circuit (MD): conforming to GB9706.1-2020. weight 					

RK2675YMseries

medical leakage current tester

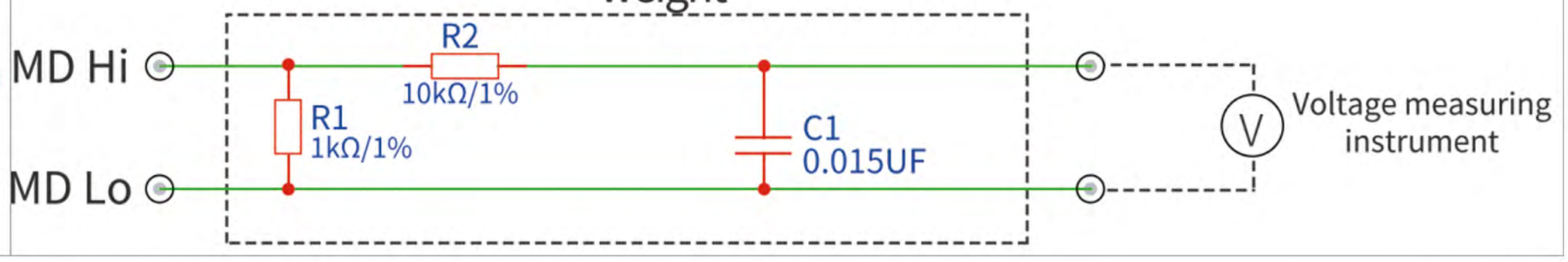
Transformer capacity can be customized up to 10KV

Output voltage 0-300V

This medical leakage current tester uses an input impedance that simulates human body impedance, meeting the requirements of GB9706.1-2020.

The RK2675YM series medical leakage tester is designed according to international and domestic safety standards such as IEC, ISO, BS, UL, and JIS. The leakage current alarm value can be continuously and arbitrarily set according to different safety standards and user needs.

- The test loop (MD) and range conversion section allow users to easily select the appropriate range based on the actual load.
- The over-limit alarm circuit alarms and indicates substandard products and automatically cuts off the output power.
- The experimental voltage adjustment device can adjust the appropriate test voltage according to different standard requirements.

Model	RK2675YM	RK2675YM-1	RK2675YM-2	RK2675YM-3	RK2675YM-5
Test Voltage	0 ~ 300V				
Test Current	AC/DC:0 ~ 200μA AC/DC:0.2 ~ 2mA AC:2 ~ 10mA				
Test Accuracy	±5%				
Test Time	0 ~ 99s （Adjustable Continuously）				
Transformer Capacity	500VA	1000VA	2000VA	3000VA	5000VA
Output Waveform	Sine Wave				
Power requirements	220V ±10%50Hz 2%				
Working environment	0℃ ~ 40℃ ≤85％RH				
Exterior Dimension(mm)	375*280*200mm	375*280*200mm	430X380X200mm	430X380X200mm	505X470X270mm
Weight	14Kg	19.6Kg	34.8Kg	41.5Kg	73.2Kg
Accessory	Power Line,Alligator Clip				
Weighted function	Measuring impedance circuit (MD): conforming to GB9706.1-2020. weight 				

Complies with metrological verification procedure: JJG1188-2022

RK9930Yseries

Programmable medical ground resistance tester

- 5-inch LCD screen displays the interface.
- The user interface is bilingual (Chinese and English) to suit the needs of different users.
- Constant current output: The output current stability range is within 1%, avoiding output current fluctuations caused by unstable input current and voltage, as well as load changes.

This instrument complies with IEC 60335-1, GB 4706.1, UL 60335-1 Safety of household and similar electrical appliances - Part 1: General requirements, UL 60950, GB 4943, IEC 60950 Information technology equipment, UL 60065, GB 8898/IEC 60065 Safety requirements for audio, video and similar electromechanical equipment, IEC 61010-1, and GB 4793.1 Safety requirements for measuring, control and laboratory electrical equipment - Part 1: General requirements.

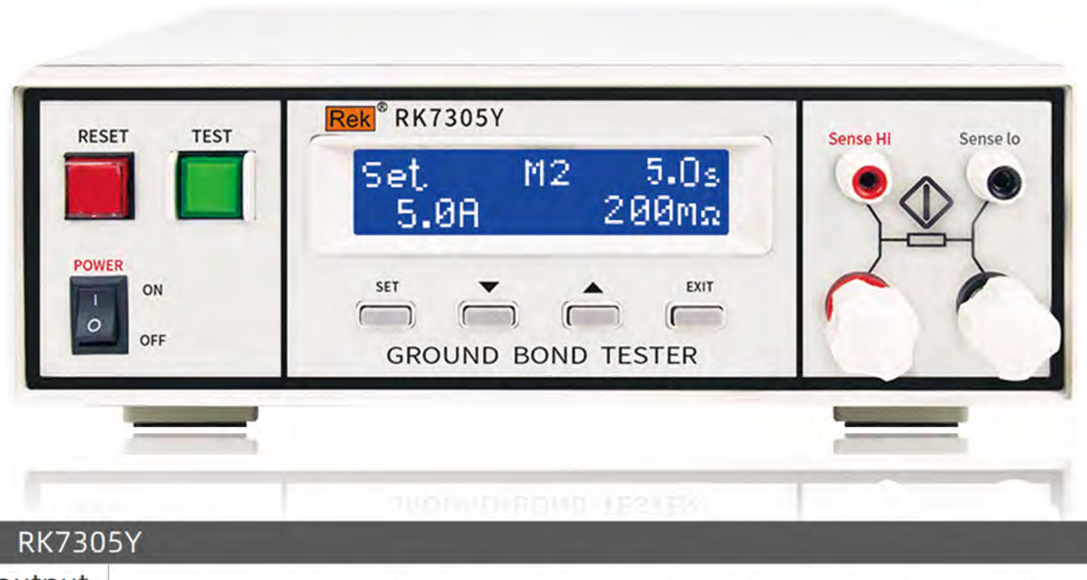
- Measurement using the four-terminal method
- Output frequency selectable 50Hz/60Hz, with upper and lower resistance limit alarm function.

Model		RK9930Y	RK9930AY	RK9930BY
Screen Size		5 Inch TFT LCD		
Number Keys		Parameter Setting Digital Input		
Coding Switch		Parameter Selection And Confirmation Function		
Up, Down, Left And Right Function Keys		Parameter Setting Up And Down Selection Function		
Lock Keyboard Lock Function		Prevent Accidental Modification Of Test Conditions Or Prohibit Modification Of Test Conditions		
Alarm Function		Sound Alarm		
Communication Interface		RS232C、RS484、USB		
USB Interface		Copy, Copy And Storage Functions		
Control Interface		HANDLER(PLC)		
Current	Current Range	AC (3-32)A	AC (3-45)A	AC (3-70)A
	Resolving Power	0.01A/Step For 10A And 0.001A/Step For 10A And Below;		
	Accuracy	± (2% +0.02A)		
Voltage	Voltage Range	AC 6V Max Open Circuit Voltage	AC 8V Max Open Circuit Voltage	AC 12V Max Open Circuit Voltage
	Frequency	50/60Hz Optional		
	Wave Form	Sine Wave		
Ammeter	Measuring Range Of Ammeter	AC (3-32)A	AC (3-45)A	AC (3-70)A
	Resolving Power	0.01A/Step For 10A And 0.001A/Step For 10A And Below;		
	Accuracy	± (2% +0.1A)		
Resistance Meter	Measuring Range Of Resistance Meter	0-600 M Ω, When The Output Current Is 3-10A; 0-120m Ω, When The Output Current Is 10A-32A	0-600m Ω, When The Output Current Is 3-10A;0-200m Ω, When The Output Current Is 10A-30A;0-150m Ω, When The Output Current Is 30A-45A	0-600m Ω, When The Output Current Is 3-15A; 0-300m Ω, When The Output Current Is 15A-30A; 0-150m Ω, When The Output Current Is 30A-70A
	Resolving Power	0.01A/Step For 10A And 0.001A/Step For 10A And Below;		
	Accuracy	≦± (2%+1mΩ)		
Timer Range		0-999.9S，Resolving Power：0.1S/Step，Accuracy：≦±50ms		
Compensation Mode		Manual Or Automatic, Maximum Offset：100mΩ Max，Accuracy：≦± (2%+1mΩ)		
Set The Upper Limit Range Of The		0-600mΩ，Resolving Power：1m Ω，Accuracy：≦± (2% +1m Ω)		
Test Time Range Setting		0-999.9S，0 Means Continuity		
Working Temperature And Humidity		0℃-40℃，≦75%RH		
Power Supply		100V-121V，198V-242V，47.5-63Hz		
Shape And Volume		430mm×105mm×350mm		
Weight		12.15KG	13.05KG	12.75KG
Standard accessories		Host computer software (download from official website), grounding test clip, power cord, RS232 serial port connection cable		

RK7305Yseries

Medical ground resistance tester

Programmable
High-voltage withstand test and analysis



This product meets the safety standards testing requirements of GB4706.1-2005 and GB9706.1-2007, and complies with the requirements of JJG 984-2004 Safety Metrological Verification Procedure.

- Input Power: 50/60Hz ±5%, 115/230VAC ±10%
- Output Current: 3-32Aac constant current source, resolution: 0.1A/step
- Accuracy: ±(2% setpoint +0.02A)
- Output Voltage: 6Vac MAX (measured with open circuit)

Model Number	RK7305Y		
Input Power Supply	50/60Hz±5% 115/230VAC±10%	Test result output mode	Buzzer, LCD display number, control interface status output
Output Current	3-32Aac constant current source, resolution: 0.1A/step, accuracy: ±(2% set value +0.02A)	Memory group	5 groups of test conditional memory
Output Voltage	6Vac MAX (measured when open circuit)	Correction mode	Software correction
Output Frequency	50Hz/60Hz optional	indicator	16×2 LCD display with backlight
Resistance Range	0-600 mω, output current 3-10a; 0-120mΩ, output current 10A-32A, resolution: 1mΩ/step.	control interface	Input: TEST, RESET and withstand WITHSTANDPROCESSING. Outputs: test PASS, test FAIL and TEST-IN-PROCESS.
Zero Point Adjustment	MAX 100mΩ, resolution: 1mΩ/step, accuracy: ±(2% reading value +1 word)		
Upper Limit Setting	Range: 0-600mΩ, resolution: 1mΩ/step, accuracy: ±(2% set value +1 word)	Standard attachment	RK00001 power line, RK00005 test line, RK00002 cable.
Test Time	Range: 0.5-999.9 seconds (0= continuous test)	Safety lock	Equipped with keyboard locking function
Temperature and Humidity	0℃ ~ 40℃, ≤75%RH	weight	8.85KG
Dimensions (D×W×H)	370mm×290mm×90mm	fuse	3.15A

RK2678YM

Medical ground resistance tester

The test time can be set at will.
Optional PLC interface

RK2678YM medical grounding resistance tester is used to measure the grounding resistance inside electrical equipment, which reflects the (contact) resistance between the total grounding terminals of electrical equipment. It is mainly used for testing the grounding resistance of medical electrical equipment.

It conforms to the medical standard of GB 9706.1-2020 (IEC 60601-1: 2012).

- Test time, test current and grounding resistance are displayed simultaneously.
- Leakage alarm resistance can be preset continuously.
- Four-terminal measurement method can eliminate the influence of contact resistance on measurement results
- Using divider circuit to display resistance

Model	RK2678YM
Output Current	5~30A ±5%
Test Accuracy	±5%
Resistance	(10.0-199.9)MΩ/(200-600)MΩ
Test Time	0.0 ~ 999 S±1% 0.0s=Continuous Test
Transformer Capacity	1000VA
Interface Of PLC	Optional
Power Requirments	220V±10%50Hz±5%
Work Environment	0℃~40℃≤85%RH
Exterior Dimension	320x280x180mm
Weight	8.5kg
Accessory	Power Line,Test Line

PULSE COIL TESTER

P32-P33

Pulse Coil Tester

This product series is primarily used for testing coil-type products (such as transformers and motors).
This product series integrates powerful functions, precise testing methods, flexible operation, and multiple interface options, providing testing solutions for most coil-type products.

definition: Pulse-type coil testers can test the electrical performance of the tested component without damaging it. A primary requirement is the ability to determine coil quality in a brief moment. During measurement, the same pulse used for standard coil measurements is applied to the tested coil through a capacitor discharge. Due to the coil's inductance and Q value, a voltage decay waveform corresponding to the discharge pulse will be generated. By comparing certain characteristics of this decay waveform, inter-turn and inter-layer short circuits, differences in turn count and magnetic material can be detected. Insulation defects can also be identified based on the presence of corona or inter-layer discharge.

Classification: Low-voltage type (<1kV): Suitable for small coils or low-voltage motors.
High-voltage type (1kV~5kV): Used for high-voltage motors or applications with stringent insulation requirements.

Key points for selection: Parameter range: Ensures the tester's pulse voltage and frequency range covers the rated values of the tested coil (e.g., 3kV or higher for high-voltage motors).
Functional requirements: Whether multi-parameter testing is required (e.g., simultaneous measurement of inter-turn insulation and inductance).
Automated judgment: Built-in standard waveform library or support for custom thresholds to reduce human error.
Data interface: Supports data export via USB/host computer interface, or connection to MES system (such as production line application).

It can test the electrical performance of the device under test without damaging it.

RK2883/RK2885

Pulse coil tester

The RK2883/RK2885 series pulse coil testers employ a high-stability high-voltage impulse power supply and high-voltage switching devices controlled by a thyristor module, significantly improving product stability and reliability. They utilize an advanced 32-bit high-performance processor and high-speed FPGA, providing a 100Msps sampling rate and 6500 bytes of storage depth for more accurate testing. Proprietary high-speed testing technology allows for testing speeds up to 12 times per second.

- 100Msps waveform sampling rate, 6500 bytes storage depth High-speed testing, up to 12 times/second
- Four waveform comparison and judgment methods: area, area difference, corona, and phase difference
- Excellent test repeatability, ensuring test stability
- Automatic saving of instrument parameters, boot file loading function
- Saving and statistical analysis of 20,000 historical measurement data points,and can save to a USB flash drive (SAVE)
- Directly save screen images (BMP, GIF, PNG) or waveform data (CSV) to a USB flash drive using the button
- Supports USB flash drive system firmware upgrades
- Foot control interface for easy and quick measurement
- Handler, RS232C, USB Device, USB Host, and GPIB (optional)
- 7-inch TFT high-definition display with 65k colors and a user interface selectable between Chinese and English.
- Powerful corona analysis and extraction functions (multiple corona modes and display functions) to uncover potential insulation defects in products.
- Vertical and horizontal waveform zoom and pan functions for easy observation of details.
- Sample averaging function, capable of averaging up to 32 standard waveforms.
- Automatic standard acquisition mode, automatically selects the appropriate sampling rate.
- Destructive testing mode allows you to select the appropriate test voltage and quickly test, with real-time modification of pulse voltage and sampling rate. Demagnetizing pulse application ensures consistent test waveforms.

Model		RK2883	RK2885
impulse voltage		100V~3000V，10Vstep-by-step，5%±10V	100V~5000V，10Vstep-by-step，5%±10V
Inductance test range		≥10uH	
pulse energy		Max. 0.09 Joule	Max. 0.25 Joule
Measuring speed		Maximum 15 pulses/second	
Number of applied pulses		Maximum 32 test pulses, maximum 8 demagnetizing pulses	
input impedance		10M	
indicator		800x480 dot 65k color TFT, waveform display range 650x256, supports 1.5x magnification	
Waveform acquisition		Sampling rate: Maximum 100Msps, 10 adjustable levels, resolution: 8 bits, storage depth: 6500 bytes, sample average: 1-32	
Judgment method		Area, area difference, corona discharge, phase difference	
Measurement repetition		±1%	
Waveform measurement		Voltage of waveform, frequency of waveform, time of waveform	
Trigger mode		Manual trigger (including foot control), external trigger, internal trigger, bus trigger	
Discriminant output		OK/NG display, LED indicator, buzzer alarm	
Measurement statistics		Includes statistical functions for measurement time and measurement results, up to 20,000 records saved	
memory	Internal	300 groups (standard waveform data and measurement setting	
	USB flash drive	600 groups (standard waveform data and measurement setting	
interface		Handler (START, STOP, PASS, FAIL, BUSY, EOC) RS232C USB Device (supports USB) TMC and USB CDC) USB Host (Supports FAT16 and FAT32, supports saving BMP, GIF, and PNG image files, supports saving CSV format waveform data and statistics, supports saving settings files) GPIB (Optional)	
Power supply		220V±10% 50Hz±5%	
Power consumption		≤50VA	
Work environm	Temperature	0℃ - 40℃	
	Humidity	≤75% R.H.	
Weight		6.85Kg	
Dimensions (HxWxD)		132mmx400mmx350mm	
Standard		RK26022 High Voltage Test Cable, Foot Switch, RK0001 Power Cord	

Comparison test function

The comparative test does not require the acquisition of standard waveforms and can quickly compare the consistency of two tested coils.

Corona display function

With a sampling rate of up to 100Msps, corona information is accurately extracted, and a corona display function is provided to make corona information clear at a glance, enabling preventative measures to be taken to improve product performance.

Corona display during normal waveform display

Corona display during waveform magnification display

RK2885-2/RK2885-4/RK2885-X

Pulse coil tester

The RK2885-2/RK2885-4/RK2885-X pulse coil tester employs a high-stability high-voltage impulse power supply and high-voltage switching devices controlled by a thyristor module, significantly improving product stability and reliability. It utilizes an advanced 32-bit high-performance processor and a high-speed FPGA, providing a 100Msps sampling rate and 6500 bytes of storage depth for more accurate testing. Its proprietary high-speed testing technology allows for testing speeds up to 12 times per second.

- Capable of testing any three-phase motor with delta and star connections, and single-phase motors with main and auxiliary windings, main and auxiliary windings, and main and auxiliary + main and auxiliary windings, meeting the requirements for inter-turn testing of the entire range of motors (RK2885-2, All-round Motor Tester).
- Provides up to 8-channel scanning testing (RK2885-X).
- Dual-channel comparison testing function, no need to acquire standard waveforms.
- 100Msps waveform sampling rate, 6500 bytes storage depth.
- High-speed testing, up to 12 times/second.
- Four waveform comparison judgment methods: area, area difference, corona, and phase difference.
- Excellent test repeatability, ensuring test stability.
- Automatic saving of instrument parameters, with boot file loading function.

Model		RK2885-2	RK2885-4	RK2885-X
High Voltage Channel Count		2	4	Customizable, up to 8 channels
Pulse Voltage		100V ~ 5000V, 10V step, 5%±10V		
Inductance Test Range		≥20uH		
Pulse Energy		Maximum 0.25 Joules		
Measurement Speed		Single winding test up to 12 times/second, four winding test up to 2		
Number of Applied Pulses		Maximum 32 test pulses, maximum 8 demagnetizing pulses		
Input Impedance		10M		
Display		800x480 dots 65k color TFT waveform display range 650x256, supports 1.5x magnification display		
Waveform Acquisition		Sampling rate: up to 100Msps, 10 adjustable levels Resolution: 8 Bits Storage depth: 6500 bytes Sample average: 1-32		
Judgment Method		Area, area difference, corona discharge, phase difference		
Measurement		±1%		
Comparative Test		Yes		none
Waveform Measurement		Voltage of waveform, frequency of waveform, time of waveform		
Triggering Method		Manual trigger (including foot control), external trigger, internal trigger, bus trigger		
Output Judgment		OK/NG display, LED indicator, buzzer alarm		
Measurement Statistics		Includes statistical functions for measurement time and measurement results, maximum storage of 20,000 records		
memory	Internal	150sets	120sets	60sets
	USB flash drive	600 sets (standard waveform data and measurement setting parameters,		
HANDLER signal		START,STOP,PASS,FAIL BUSY,EOC		START,CH1 ~ CH8,ALL,BUSY,E0C
interface		USB Slave,RS232C,IEEE488 (optional) USB Host (supports saving BMP, GIF, PNG and CSV files, and supports firmware upgrade)		
Temperature & Humidity		0°C-40°C,≤75%RH		
Power require	Voltage	220V±10%		
	Frequency	50Hz±5%		
Power Consumption		≤50 VA		
Dimensions (W×H×D)		400mmx 132mmx350mm		
Weight		About 7.5 kg		
Interfaces		HANDLER（START,STOP,PASS,FAIL ,BUSY,EOC） USB Slave, RS232C IEEE488 (optional) USB Host (supports saving BMP, GIF, PNG and CSV files and firmware upgrade)		
Accessories		RK26022 high voltage test cable, RK26023 footswitch, three-wire power cord and 1A fuse.		

- 7-inch TFT high-definition display with 65k colors and a user interface selectable between Chinese and English.
- Powerful corona analysis and extraction functions (multiple corona modes and display functions) to uncover potential insulation defects in products. Vertical and horizontal waveform zoom and pan functions for easy observation of details.
- Sample averaging function, capable of averaging up to 32 standard waveforms.
- Automatic standard acquisition mode, automatically selects the appropriate sampling rate.
- Destructive testing mode allows you to select the appropriate test voltage for rapid testing, with real-time modification of pulse voltage and sampling rate, and application of demagnetizing pulses to ensure consistent test waveforms.
- Saving and statistical analysis of 20,000 historical measurement data points, with the ability to save to a USB flash drive. SAVE button allows direct saving of screen images (BMP, GIF, PNG) or waveform data (CSV) to a USB flash drive.
- Supports USB flash drive system firmware upgrades.
- Foot control interface for easy and quick measurement.
- Handler, RS232C, USB Device, USB Host, and GPIB (optional).

Comparison test function

The comparative test does not require the acquisition of standard waveforms and can quickly compare the consistency of two tested coils.

Corona display function

With a sampling rate of up to 100Msps, corona information is accurately extracted, and a corona display function is provided to make corona information clear at a glance, enabling preventative measures to be taken to improve product performance.

Corona display during normal waveform display

Corona display during waveform magnification display

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DC LOW RESISTANCE TESTER

P35-P38

Precision DC Resistance Tester

&

P39-P40

Multi-channel precision resistance tester

This series of withstand voltage testers is widely used for testing the DC resistance of various components such as transformers, motors, switches, relays, and connectors.

definition: DC Low Resistance Tester ("Continuity Test"):

1. DC resistance is the ratio of the power generated through a component to the pressure applied or subtracted from it under constant or steady-state conditions. Its unit is ohms (μΩ - MΩ).

2. DC resistance exhibits a linear relationship; that is, when a constant magnitude and direction (positive or negative) bias is applied through the component, its output remains unchanged.

3. DC resistance can limit and regulate drift in the circuit and reduce power loss due to transmission lines.

Classification: Digital Display Type: No communication, basic test functions.
Programmable Type: Higher accuracy, with RS232/485 communication interface and host computer software.

Key points for selection: Resistance Requirements: Units μΩ - MΩ
Test Accuracy: Standard type 0.05%, high-precision type 0.01%.

RK2511ALseries

DC resistance tester

Standard automatic sorting function

Fully automatic range testing circuit

The RK2511AL/BL series features a 0.8-inch high-brightness digital tube display, all-English buttons and indicators, making the instrument display clearer and providing a simple operating interface. The fully automatic range testing circuit and all-electronic switch design allow for instantaneous switching from the highest to the lowest range.

Automatic sorting function is standard.

- 4-digit display
- Sorting results display
- Sorting and signaling for over-limit, under-limit, and qualified samples
- Comparison limits can be directly set and displayed.

Model	RK2511AL	RK2511BL	RK2511ALR
Test Resistance Range	0.01mΩ- 200.0KΩ	0.1mΩ - 50 . 00KΩ	0.01mΩ - 200.0KΩ
Test Accuracy	50mΩ Range 0.1%±5 digits 500mΩ Range0.1%±3 digits 5Ω、50 Ω 、500 Ω 、5kΩ Range0.1%±2 digits、50kΩ Range 0.1%±3 digits 200kΩ Range0.1%±5 digits	500mΩRange0.1%±3 digits 5Ω、50 Ω 、500 Ω 、 5kΩ Range0.1%±2 digits、 50kΩ Range 0.1%±3 digits	50mΩ Range 0.1%±5 digits 500mΩ Range0.1%±3 digits 5Ω、50 Ω 、500 Ω 、5kΩ Range0.1%±2 digits、50kΩ Range 0.1%±3 digits 200kΩ Range 0.1%±5 digits
Test Current	100mA 10mA1mA 100uA10uA		
Test The Range	50mΩ 500mΩ 5Ω 50Ω 500Ω 5kΩ 50kΩ 200kΩ	500mΩ 5Ω 50Ω 500Ω 5kΩ 50kΩ	50mΩ 500 MΩ 5Ω 50Ω 500Ω 5kΩ 50kΩ 200kΩ
Resolution	10 UΩ 10 0 UΩ 1 MΩ 10 MΩ		
Speed	Slow 3 Times Per Second		
Measuring Mode	Automatic, Hold		
Screen	0.8 Inch 4 Digit Tube		
Calibration	Short-Circuit Zero At Full Scale		
Messages	Pass, Pass, Fail		
Interface	/		HANDLER INTERFACE, RS232 INTERFACE
Test Side	Four-Terminal Testing		
Comparator Sorting	Pass Display IN		
	(PASS) Under Ultra-Non-Conforming Display LO (FA IL)		
	On Ultra-Non-Conforming Display HI (FAIL)		
Humidity	0℃- 40℃，≦75%RH		
Power Supply	100V-121 V，198V242V，47.5 -63Hz		
Fuse Specifications	0.5A 250V 1A 110V SLOW MELT		
Power Consumption	≦15VA		
Dimensions	280mm×97mm×217mm		
Annex	RK0000 POWER CORD, RK26004A QUAD、End Test Fixture		RK00001 Power Cord, RK26004A Four-Terminal Test Fixture, RK00002HANLER Cable, RK0003 Communication Cable, Host Computer (Optional)
Weight	2.2kg		

Four-terminal measurement

Test resistance: 1μΩ～2MΩ

RK2511N/12Nseries

DC low resistance tester

The RK2511N DC low resistance tester is an instrument for testing the DC resistance of various components such as transformers, motors, switches, relays, and connectors. Its basic testing accuracy can reach up to 0.05%, and it features high measurement speed.

This instrument uses a high-precision constant current flowing through the device under test and four-terminal measurement, effectively eliminating lead wire errors. It also uses a high-precision AD converter, suitable for users performing high-precision measurements. The instrument's sorting function (overshoot, pass, undershoot) allows users to freely set the upper and lower limits of resistance and the nominal value, greatly improving the instrument's testing efficiency.

- △Simple to operate
- △Four-terminal measurement with high accuracy.
- △Microprocessor technology, no DC drift
- △Overclocking, underclocking, pass/fail sorting and alarm functions

Model	RK2511N	RK2512N	RK2511N+	RK2512N+
Test Range	10μΩ-20KΩ	1μΩ-2MΩ	10μΩ-20KΩ	1μΩ-2MΩ
Test Accuracy	0.1% (The Minimum Resolution) 10μΩ	0.05% (The Minimum Resolution)10μΩ	0.1% (The Minimum Resolution) 10μΩ	0.05% (The Minimum Resolution)10μΩ
Test Current	100mA 10mA 1mA 100μA	1A 100mA 10mA 1mA 100μA 10μA 1μA	100mA 10mA 1mA 100μA	1A 100mA 10mA 1mA 100μA 10μA 1μA
Display Mode	Four And A Half Digit Display 00000-19999			
The Voltage Of Open Circuit	<5.5V			
Range Mode	Manual/Automatic			
Test Speed	Fast 15 T/S Slow 8 T/S			
Sorting	Onlap,Qualified,Downlap			
Trigger	Internal Trigger,Manual Trigger,External Trigger			
Interface	Interface Of RS-232C Interface Of Handler(PLC)			
Work Environment	0℃～40℃,≤85% RH			
Exterior Dimension	330×270×110mm			
Weight	5.5kg	3.5kg	4kg	4kg
Accessory	Test Line,Power Line			

RK2514/15/16series

DC low resistance tester

Maximum resistance accuracy: 0.01%

The RK2514AN DC low resistance tester adopts a mainstream 32-bit CPU and high-density SMD mounting technology, a 4.3-inch IPS color LCD display with 24-bit color, and up, down, left, and right function keys, providing a clean interface and convenient operation. It is used for measuring relay contact resistance, connector connection resistance, wire resistance, printed circuit board circuit and solder hole resistance, etc. Temperature compensation eliminates the influence of ambient temperature on the testing process. The RK2514N series provides multiple interface functions, facilitating data communication and remote control with a PC.

- △ Poor contact detection function
- △ Maximum test range: 1μΩ～20MΩ
- △ Maximum test speed: approximately 100 tests/second
- △ Maximum resistance accuracy: 0.01%; Minimum resistance resolution: 1μΩ
- △ Test data is recorded via USB flash drive, and instrument software can be remotely upgraded.
- △ 14-level comparison function: 12 levels for pass/exceed upper limit/exceed lower limit
- △ Real-time recording of the number of pass/fail products
- △ Zero-base design eliminates the need for zeroing during weak resistance testing.
- △ Low-voltage testing mode protects the device under test.

Model	RK2514N	RK2514AN	RK2515N	RK2515AN	RK2516N	RK2516AN	RK2516BN
Measuring Range	0.1μΩ ~ 110MΩ	1μΩ ~ 20MΩ	0.1μΩ ~ 110MΩ	1μΩ ~ 20MΩ	1μΩ ~ 2MΩ	1μΩ ~ 200kΩ	10μΩ ~ 20kΩ
Test Accuracy	0.01%		0.01%		0.05%		
Maximum Test Current	1A	1A	1A	1A	400mA	400mA	100mA
Display	24 Bit Color, Resolution 480 * 272 True Color IPS LCD						
Number Of Readings	Five Half Digit Display Resistance Value						
Resistance Measurement Time	Fast Speed: 7ms Medium Speed: 42ms Slow Speed / Precise Measurement: 150ms (Turn On The Above Display Plus 15ms)				Fast: 20ms Slow: 40ms		
Temperature Measurement Time	——				100ms	——	
Elimination Of Thermoelectric Potential	√				——		
Test Side Configuration	Four Terminal						
Statistical Function	Quantity Statistics Of Upper / Lower Qualified Products						
Save Test Parameters	10 Groups				5 Groups		
Low Voltage Measurement	Open Circuit Voltage: ≤ 60mV, Effective Range: 2 Ω ~ 20 Ω				——		
Poor Contact Detection	Check For Poor Contact At The Test End						
Measurement Parameters	PT1000: Accuracy 0.1 ℃				——		
Display Range	-10℃-99.9℃						
Signal Output	HI/PASS1-PASS2/LO/FAIL				HI/PASS1/PASS2/PASS3/LO/FAIL		
Sound Of News	Pass / Fail / Close						
Limit Setting Mode	14 Gears; Absolute Value Upper / Lower Limit; Percentage Upper / Lower Limit + Nominal Value				Third Gear; Absolute Value Upper / Lower Limit; Percentage Upper / Lower Limit + Nominal Value		
Interface	USB HOST/USB DEVICE/RS232/HANDLER/RS485				USB HOST/RS232/HANDLER/RS485(Optional)		
Working Environment	Temperature 0 ℃ ~ 40 ℃ Humidity < 80% RH						
Size	361×107×264mm						
Weight	4kg				3.6kg		
Standard Accessories	Four Terminal Kelvin Test Clip, Temperature Probe, USB / 232 Communication Cable, Power Cable, Upper computer software				RK26004A test line, upper computer software	RK26004A test line, power line, upper computer software	
Optional accessories	RK00070 serial port option LAN port				/	/	

Multiple interface functions allow for data communication and remote control with a PC.

RK2517series

DC resistance tester

The RK2517 series DC resistance tester adopts the current mainstream 32-bit CPU and high-density SMD mounting technology, a 24-bit color resolution 480*272 true-color IPS LCD screen display, and up, down, left, and right function keys, with a clean interface and convenient operation. It is suitable for relay contact resistance, connector connection resistance, wire resistance, printed circuit board circuit and solder hole resistance, etc. Temperature compensation can eliminate the influence of ambient temperature on the test operation. The RK2517 series provides a variety of interface functions, which can easily communicate with a PC and remotely control it.

- Dual touch and button operation for convenient operation and maintenance
- Includes sorting and alarm functions for overweight, underweight, and qualified samples.
- Built-in 10/6/1 range comparator, displaying and outputting BIN1-BIN10/6/1, HIGH, IN, LOW
- Ideal instrument for production line testing:
- 5-inch touchscreen display

Parameters Model	RK2517	RK2517A	RK2517AN
Test resistance range	1uΩ-200MΩ	1uΩ-20MΩ	1uΩ-200KΩ
Test accuracy	0.05%+2 words(Slow)0.05%+		0.05%+2 words(Slow)0.05%+
Basic measurement accuracy	5 words(Medium speed)		5 words(Medium speed)
Test current	0.5%+words(fast)		0.5%+5 words(fast)
Test range	20mΩ 0.1%+3 words、200mΩ-200kΩ 0.05%+2 words 2MΩ0.1%±2 words 20MΩ-200MΩ 0.1%±5 words	20mΩ 0.1%+3 words、200mΩ-200kΩ 0.05%+2 words 2MΩ0.1%±2 words 20MΩ0.1%±5 words	20m Ω 0.1%+3 words 200m Ω -2k Ω 0.05% ± 2 words 20k Ω -200k Ω 0.05% ± 5 words
Resolution	1A 100mA 10mA 1mA		500mA 100mA 10mA 1mA
Rate	100uA 10uA		
Range mode	20mΩ 200mΩ 2Ω 20Ω 200Ω		
Screen	2kΩ 20kΩ200kΩ2MΩ 20MΩ		2kΩ 20kΩ200kΩ
Temperature measurement	1uΩ 10uΩ 100uΩ 1mΩ 10mΩ100mΩ 1Ω 10Ω 100Ω 1000Ω		
Number of digits	Slow3times/second Medium speed18times/second fast60times/second		fast：30times/second Medium speed：19times/second Slow：12times/second
Language	Automatic and manual modes		
Calibration	5-inch TFT-LCD capacitive touchscreen		
File system	With temperature compensation		
Beep	5½digit display, maximum 20,000 readings		
Trigger	Chinese and English versions		
Interface	Full-range reset for short circuit		
Programming language	Automatic parameter saving		
Test terminal	Off, pass, fail		
Comparator selection	Internal, external, manual, and remote modes		
Upper and lower limit display	Handler, RS232, RS485, USB, and temperature compensation ports		
communication protocol	SCPI、MODBUS		
Power supply	Four-terminal test		
Fuse specifications	10-level comparator		
Power consumption	Software settings		
(Dimensions DxWxH) (with silicone cover)	0℃-40℃，≦75%RH		
(Dimensions DxWxH) (without silicone cover)	100V-121V，198V-242V，47.5-63Hz		100-242V,47.5-63Hz
Weight	1A 250V or 2A 110V slow blow		1A 250V
Power Consumption	≦20VA		
(Dimensions D x W x H) (with silicone cover)	355mm×260mm×108mm		380*260*108mm
(Dimensions D x W x H) (without silicone cover)	321mm×220mm×90mm		346*220*90mm
Weight	4.2kg		3.7kg
Accessories (Standard)	Power cord RK00001, four-terminal test cable RK00033, temperature probe RK00034, DB9 serial cable (female to female, 2-3 crossover, 1.5 m) RK00118, USB to square port cable RK00006, host computer and user manual (electronic version, downloadable from the official website), SCSI 57 series 36P male connector		Power cord RK00001, four-terminal test cable RK00033, USB to square port cable RK00006, host computer and instruction manual (electronic version, download from the official website), SCSI 57 series 36P male connector
Optional Accessories	RK00031 USB to RS485 female serial cable, industrial grade, 1.5m long, RS232 to USB cable RK00003, RK00070 serial port option, LAN port		RK00031 USB to RS485 female serial cable, industrial grade, 1.5m long; RK00003 RS232 to USB cable; RK00070 serial port option LAN port; RK00118 DB9 male to female serial cable, 2-3 crossover, 1.5m long

RK2517series

Multi-channel DC resistance tester

This series of multi-channel DC resistance testers features high precision, wide measurement range, and cost-effectiveness. It utilizes a mainstream 32-bit CPU and high-density SMD mounting technology, along with a 5-inch IPS LCD screen with 24-bit color display, providing an intuitive and user-friendly interface.

The instrument boasts high anti-interference capabilities; its measurement range is 10uΩ-200KΩ; it displays 5 digits; its testing speed can reach up to 30 tests/second; its testing accuracy is up to 0.05%; temperature compensation eliminates the influence of ambient temperature on the testing process; the instrument is equipped with professional sorting and data output functions, offering diverse sorting signal settings. It can also be matched with a Handler interface for use in automated sorting systems to complete fully automated production line testing, significantly increasing testing efficiency.

An RS232 interface is also included for remote control and data acquisition and analysis.

RK2517-4/8/16 uses an 8-range test for automatic or manual testing.

- △ Each channel of the RK2517-4/8/16 is equipped with sorting functions, including
- △ over-limit, under-limit, and qualified sorting with an alarm.
- △ Four triggering methods: internal trigger, external trigger, remote trigger, and manual trigger.
- △ Temperature can be measured using an external sensor, with a basic accuracy of up to 0.1℃.

Model	RK2517-4	RK2517-8	RK2517-16
Measurement Range	10UΩ- 200KΩ		
Resistance Range	Basic accuracy 0.05%		
Number of Scan Channels	4-way	8-way	16-way
Maximum Test Current	500mA		
Test current	500mA 100mA 10mA 1mA 100uA 10uA		
Test range	20mΩ 200mΩ 2Ω 20Ω 200Ω 2kΩ 20kΩ 200kΩ		
Resolution	10uΩ 100uΩ 1mΩ 10mΩ100mΩ 1Ω 10Ω		
Display	24-bit color resolution 480*272 true color IPS LCD LCD screen 5 inches.		
Number of Reading Digits	Five digit display		
Single Channel Test Speed	Fast: 30 times/sec. Medium: 19 times/sec. Slow: 12 times/sec.		
Test Terminal Configuration	Four ends		
Measurement Mode	Sequential scanning		
Test Data Storage	Local file saving, U disk file saving		
Measurement Parameters	Temperature compensation temperature sensor: DS18B20 accuracy 0. 5℃		
Display Range	- 10℃- 85℃		
Signal Output	HI/ PASS/ LO		
Beep	Pass/fail/close		
Limit Setting Method	Upper/lower limit of absolute value; Percentage upper/lower limit+nominal value		
Interface	USB HOST/USB DEVICE/RS232/HANDLER/RS485		
Operating Environment	Temperature 0℃- 40℃ and humidity-80 RH.		
(Dimensions DxWxH) (without silicone cover)	346*220*90mm		
(Dimensions DxWxH) (with silicone cover)	380*260*108mm		
Weight	3.8KG	3.8KG	3.9KG
Accessories (Standard)	Power line RK00001, four-terminal test cable RK00033, temperature probe RK00034, RK00118 DB9 pin serial line 2-3 crossing 1.5 meters, USB square port connecting line RK00006, upper computer and manual (electronic version, downloaded from official website), SCSI 57 series 36P male.		
Optional Accessories	RK00031 USB-to-RS485 bus serial port industrial-grade connecting cable is 1.5m long, RS232-to-USB cable RK00003, RK00070 serial port option LAN port.		

The number of scanning channels can be selected as 4/8/16/32.

RK2518series

DC low resistance tester

The multi-channel precision resistance tester adopts the current mainstream 32-bit CPU and high-density SMD mounting technology, a 24-bit color resolution 480*272 true-color IPS LCD screen display, and up, down, left, and right function keys, with a clean interface and convenient operation. It is used for relay contact resistance, connector connection resistance, wire resistance, printed circuit board circuit and solder hole resistance, etc. Temperature compensation can eliminate the influence of ambient temperature on the testing work. The RK2518 series provides a variety of interface functions, which can easily communicate with PC for data and remote control.

- Maximum testing range 1μΩ~200KΩ
- Remote control via RS232C/HANDLER /USB/RS485 interfaces
- Multiple triggering methods: internal, external, and manual triggering
- Maximum resistance accuracy: 0.05%; Resistance
- Minimum resolution: 10μΩ Maximum single-channel test speed: 40 tests/second
- Zero-base design, no zeroing required for weak resistance testing
- Maximum single-channel test speed: 40 tests/second

Model	RK2518-4	RK2518-8	RK2518-16	RK2518-32
Measuring Range	10μΩ ~ 200KΩ			
Resistance Range	Basic Accuracy 0.05%			
Number Of Scanning Paths	4 Way	8 Way	16way	32way
Maximum Test Current	300mA	300mA	300mA	500mA
Display	24 Bit Color, Resolution 480 * 272 True Color IPS LCD			24 Bit Color, Resolution 800*480 True Color IPS LCD
Reading Digit	Four And A Half Digit Display			
Resistance Measurement Time	Fast Speed: 40 Times / S Medium Speed: 20 Times / S Slow Speed: 12 Times / S			Fast Speed: 35 Times / S Medium Speed: 20 Times / S Slow Speed: 12 Times / S
Test Side Configuration	Four Terminal			
Measurement Mode	Sequential Scanning			
Save Test Parameters	5 Groups			
Measurement Parameters	PT1000: Accuracy 0.1 ℃			
Display Range	-10℃-99.9℃			
Signal Output	HI/PASS/LO			
News Ring	Pass / Fail / Close			
Limit Setting Mode	Absolute Value Upper / Lower Limit; Percentage Upper / Lower Limit + Nominal Value			
Interface	USB HOST/USB DEVICE/RS232/HANDLER/RS485			
Working Environment	Temperature 0 ℃ ~ 40 ℃ Humidity < 80% RH			
Dimension	361×107×264mm			
Weight	Net Weight About 4kg			
Accessories	Four Terminal Kelvin Test Clip, Temperature Probe, USB / 232 Communication Cable, Plug-In Terminal, Power Line			

负载

DC ELECTRONIC LOAD

P42-P46

DC electronic load

This series is widely used in electronic product production lines, automotive electronics, aerospace, research institutions, ships, solar cells, fuel cells and other fields.

definition: Electronic loads: Electronic loads are devices that dissipate electrical energy by controlling the conduction (duty cycle) of internal power MOSFETs or transistors, relying on the power dissipation of the power transistors. They can accurately detect load voltage, precisely adjust load current, and simulate load short circuits, including inductive, resistive, and capacitive loads, as well as capacitive load current rise time. They are indispensable for the debugging and testing of general switching power supplies.

The RK8510 series and RK8530 series have RS232/485 communication interfaces, supporting multiple communication methods.

Classification: Voltage, current, and power selection, accuracy, and resolution selection: Accuracy and resolution are important parameters of electronic loads. The meaning of different methods of expressing electronic load accuracy:

Key points for selection: Examples:
1%+2d: 1% of the measured value + twice the minimum displayed value
1%+1%FS: 1% of the measured value + 1% of full scale
1%OF: 1% of (full scale + measured value)

RK8510series

DC electronic load

RK8510 comes standard with host computer software.

The RK8510 series DC electronic loads use high-performance chips, are designed with high precision, have a novel appearance, and are manufactured using scientific and rigorous processes, making them more cost-effective than similar products.

- Supports remote voltage compensation input.
- Intelligent fan system that automatically starts or stops based on temperature changes.
- Circuit parameters are calibrated using software, eliminating the need for adjustable resistors, ensuring stable and reliable operation.
- Supports multiple testing functions.
- Supports host computer connectivity for automated testing (RK8510A only).

model		RK8510		RK8510A		RK8510B		RK8510C		RK8510D		RK8510E	
Rated parameters	Power	400W		200W		400W		200W		200W * 2CH		200W * 2CH	
	Voltage	0-150V		0-150V		0-500V		0-500V		0-150V		0-500V	
	Current	0-40A		0-20A		0-15A		0-15A		0-20A		0-15A	
CV model	Range	0-18V	0-150V	0-18V	0-150V	0-80V	0-500V	0-80V	0-500V	0-18V	0-150V	0-80V	0-500V
	Resolution	1mV				10mV				1mV		10mV	
	Accuracy	±(0.05%+0.025%FS)				±(0.1%+0.1%FS)				±(0.05%+0.025%FS)		±(0.1%+0.1%FS)	
CC model	Range	0-4A	0-40A	0-2A	0-20A	0-1.5A	0-15A	0-1.5A	0-15A	0-2A	0-20A	0-1.5A	0-15A
	Resolution	1mA											
	Accuracy	±(0.05% + 0.05%FS)											
CR model	Range	0.05Ω~7.5KΩ											
	Resolution	1mΩ											
	Accuracy	±(0.1% + 0.5%FS)											
CP model	Range	0-400W		0-200W		0-400W		0-200W				0-200W	
	Resolution	1mW		1mW		10mW				1mW		10mW	
	Accuracy	±(0.1% + 0.5%FS)											
Dynamic Mode	T1&T2	100uS-99.9999S											
	Slope	0.001~3.000A/us											
Voltage readback	Range	0-18V	0-150V	0-18V	0-150V	0-80V	0-500V	0-80V	0-500V	0-18V	0-150V	0-80V	0-500V
	Resolution	1mV	10mV	1mV	10mV	10mV	10mV	10mV	10mV	1mV	10mV	10mV	10mV
	Accuracy	±(0.05% + 0.1%FS)											
Current readback	Range	0-4A	0-40A	0-2A	0-20A	0-1.5A	0-15A	0-1.5A	0-15A	0-2A	0-20A	0-1.5A	0-15A
	Resolution	1mA	10mA	1mA	10mA	1mA	10mA	1mA	10mA	1mA	10mA	1mA	10mA
	Accuracy	±(0.05% + 0.1%FS)											
Power readback	Range	0-400W		0-200W		0-400W		0-200W					
	Resolution	1mW				10mW				1mW		10mW	
	Accuracy	±(0.1% + 0.5%FS)											
Protect	Overvoltage (OV)	≥152V				≥520V				≥152V		≥520V	
	Overcurrent (OC)	≥42A		≥21A		≥15.75A				≥21A		≥15.75A	
	Overtemperature (OT)	≥85℃											
	Overpower (OP)	≥420W		≥210W		≥420W		≥210W					
Power Input		AC 115V/230V ±10% 50Hz/60Hz (fuse 0.5A)											
Communication Port		RS232/RS485		/		RS232/RS485							
Screen Size		2.8-inch TFT true color											
Weight (kg)		3.9		3.1		3.9		3.1		3.9		3.9	
Standard Accessories		RK00001 power cord, BNC male connector, binding posts (red and black pair)								RK00001 power cord, terminal blocks (two pairs of red and black)			
Optional Accessories		RK00003RS232 to USB cable		/		RK00003RS232 to USB cable							

Load voltage 0-600V

Maximum load power 3200W

RK8530series

DC electronic load

The RK8530 series DC electronic load is a high-performance, high-power-density electronic load designed and manufactured by Merrick Electronics. It features high accuracy and fast response. It offers a wide range of testing functions, supports dynamic frequency sweep and cascading parallel operation, and has a very wide range of applications. Despite its small size, it boasts powerful load-carrying capacity.

This series of products features multiple communication interfaces including RS232/RS485/USB/LAN, supports SCPI and Modbus communication protocols, and can meet users' independent programming and development needs. As a key product of Merrick, its novel appearance, rigorous scientific manufacturing process, high performance, high precision, and high reliability make it more cost-effective than similar products.

- TFT color LCD screen
- Supports SCPI and Modbus communication protocols
- Short-circuit simulation, supports instantaneous power amplification OCP, OPP, LED simulation, load effect, battery internal resistance, and battery discharge testing functions.
- Supports master/slave parallel operation, with a maximum parallel power of 32kW.

model		RK8530A	RK8530B	RK8530C	RK8530D
Rated parameters	Load voltage	600V	600V	600V	600V
	Load current	200A	150A	100A	50A
	Load power	3200W	2400W	1600W	800W
	Minimum operating voltage	6.5V			
CV mode	Range	120V / 600V	120V / 600V	120V / 600V	120V / 600V
	Resolution	2mV / 10mV	2mV / 10mV	2mV / 10mV	2mV / 10mV
	Accuracy	0.025%+0.025%F.S.			
CC mode	Range	20A / 200A	15A / 150A	10A / 100A	5A / 50A
	Resolution	0.4mA / 4mA	0.3mA / 3mA	0.2mA / 2mA	0.1mA / 1mA
	Accuracy	0.05%+0.05%F.S.			
CR mode	Range	0.112 ~ 600Ω / 1.12 ~ 3000Ω	0.149 ~ 800Ω / 1.49 ~ 4000Ω	0.223 ~ 1200Ω / 2.23 ~ 6000Ω	0.446 ~ 2400Ω / 4.46 ~ 12000Ω
	Accuracy	Vin/Rset*(0.2%)+0.2%IF.S.			
CP mode	Range	3200W	2400W	1600W	800W
	Accuracy	0.2%+0.2% F.S.			
Dynamic mode	T1 & T2	10us ~ 60s			
	Resolution	2us			
	Accuracy	1us+20PPM			
	Rise/fall slope	0.0001 ~ 0.2A/us / 0.001 ~ 2A/us	0.0001 ~ 0.15A/us / 0.001 ~ 1.5A/us	0.0001 ~ 0.1A/us / 0.001 ~ 1A/us	0.0001 ~ 0.05A/us / 0.001 ~ 0.5A/us
Voltage readback	Range	120V / 600V	120V / 600V	120V / 600V	120V / 600V
	Resolution	2mV / 10mV	2mV / 10mV	2mV / 10mV	2mV / 10mV
	Accuracy	0.025%+0.025%F.S.			
Current readback	Range	20A / 200A	15A / 150A	10A / 100A	5A / 50A
	Resolution	0.4mA / 4mA	0.3mA / 3mA	0.2mA / 2mA	0.1mA / 1mA
	Accuracy	0.05%+0.05%F.S.			
Protection	Overvoltage (OV)	630V			
	Overcurrent (OC)	220A	165A	110A	55A
	Overpower (OP)	3360W	2520W	1680W	840W
	Overtemperature (OT)	95°C			
Communication interface		RS232/RS485, LAN, USB communication interface			
Weight		20.25KG	about18.3KG	about16.35KG	about14.4KG
Dimensions (W*D*H)		480*123*595mm			
Standard accessories		Power cord RK00001, LAN cable, instruction manual (electronic version), copper wire shield, host computer software (official website download)			
Optional accessories		RK00003 RS232 to USB cable, RK00006 USB to square port cable, RK00031 USB to RS485 female serial port cable industrial grade			

RK8531series

DC electronic load

Load voltage 150V

Maximum load power 3200W

To meet customers' needs for high current and low voltage, four new models in the RK8531 series of DC electronic loads have been added to the RK8530 series. While maintaining the same power rating as the RK8530 series, the maximum load current can reach 300A.

- TFT color LCD screen
- Supports SCPI and Modbus communication protocols
- Short-circuit simulation, supports instantaneous power amplification OCP, OPP, LED simulation, load effect, battery internal resistance, and battery discharge testing functions.
- Supports master/slave parallel operation, with a maximum parallel power of 32kW.

Model		RK8531A	RK8531B	RK8531C	RK8531D
rated parameters	load voltage	150V	150V	150V	150V
CV mode	load current	300A	240A	240A	150A
CC mode	load power	3200W	2400W	1600W	800W
CR mode	minimum operate voltage	1.5V			
CP mode	range	30V / 150V	30V / 150V	30V / 150V	30V / 150V
dynamic mode	resolution	0.5mV / 2.5mV	0.5mV / 2.5mV	0.5mV / 2.5mV	0.5mV / 2.5mV
Voltage readback	precision	0.025%+0.025%F.S.			
Current reading back	range	30A / 300A	24A / 240A	24A / 240A	15A / 150A
protect	resolution	0.6mA / 6mA	0.48mA / 4.8mA	0.48mA / 4.8mA	0.3mA / 3mA
rated parameters	precision	0.05%+0.05%F.S.			
CV mode	range	0.019 ~ 100Ω / 0.19 ~ 500Ω	0.023 ~ 125Ω / 0.23 ~ 625Ω	0.023 ~ 125Ω / 0.23 ~ 625Ω	0.037 ~ 200Ω / 0.37 ~ 1000Ω
CC mode	precision	Vin/Rset*(0.2%)+0.2%IF.S.			
CR mode	range	3200W	2400W	1600W	800W
CP mode	precision	0.2%+0.2% F.S.			
dynamic mode	T1 & T2	10us ~ 60s			
Voltage readback	resolution	2us			
Current reading back	precision	1us+20PPM			
protect	Rising/falling slope	0.001 ~ 0.28A/us / 0.01 ~ 2.8A/us	0.001 ~ 0.21A/us / 0.001 ~ 2.1A/us	0.001 ~ 0.21A/us / 0.001 ~ 2.1A/us	0.001 ~ 0.14A/us / 0.01 ~ 1.4A/us
rated parameters	range	30V / 150V	30V / 150V	30V / 150V	30V / 150V
CV mode	resolution	0.5mV / 2.5mV	0.5mV / 2.5mV	0.5mV / 2.5mV	0.5mV / 2.5mV
CC mode	precision	0.025%+0.025%F.S.			
CR mode	range	30A / 300A	24A / 240A	24A / 240A	15A / 150A
CP mode	resolution	0.6mA / 6mA	0.48mA / 4.8mA	0.48mA / 4.8mA	0.3mA / 3mA
dynamic mode	precision	0.05%+0.05%F.S.			
Voltage readback	Overvoltage (OV)	160V			
	Overcurrent (OC)	315A	252A	252A	158A
	Overpower (OP)	3360W	2520W	1680W	840W
	Over temperature (OT)	95°C			
communication interface		USB、RS232、LAN、RS485			
screen size		3.5寸			
Weight (KG)		20.25	18.3	16.35	14.4
Random standard accessories		Power cord RK00001, LAN cable, instruction manual (electronic version), copper wire shield, RK00099 plug-in terminal, upper computer software (official website download)			
Optional accessories		RK00003 RS232 to USB cable, RK00006 USB to square port connection cable, RK00031 USB to RS485 female serial port cable industrial grade			

Load voltage 1200V

Maximum load power 3200W

RK8532series

DC electronic load

To meet customers' needs for high voltage and low current, the RK8530 series of DC electronic loads has added four models in the RK8532 series, with a maximum load voltage of 1200V.

- TFT color LCD screen
- Supports SCPI and Modbus communication protocols
- Short-circuit simulation, supports instantaneous power amplification OCP, OPP, LED simulation, load effect, battery internal resistance, and battery discharge testing functions.
- Supports master/slave parallel operation, with a maximum parallel power of 32kW.

model		RK8532A		RK8532B		RK8532C		RK8532D	
Rated parameters	Load voltage	1200V		1200V		1200V		1200V	
	Load current	80A		60A		40A		20A	
	Load power	3200W		2400W		1600W		800W	
	Minimum operating voltage	20V							
CV mode	Range	240V	1200V	240V	1200V	240V	1200V	240V	1200V
	Resolution	4mV	20mV	4mV	20mV	4mV	20mV	4mV	20mV
	Accuracy	0.025%+0.025%F.S.							
CC mode	Range	8A	80A	6A	60A	4A	40A	2A	20A
	Resolution	0.2mA	2mA	0.15mA	1.5mA	0.1mA	1mA	0.05mA	0.5mA
	Accuracy	0.05%+0.05%F.S.							
CR mode	Range	0.558 ~ 3000Ω	5.58 ~ 15000Ω	0.743 ~ 4000Ω	7.43 ~ 20000Ω	1.115 ~ 6000Ω	11.15 ~ 30000Ω	2.23 ~ 12000Ω	22.3 ~ 60000Ω
	Accuracy	Vin/Rset*(0.2%)+0.2%IF.S.							
CP mode	Range	3200W		2400W		1600W		800W	
	Accuracy	0.2%+0.2% F.S.							
Dynamic mode	T1 & T2	10us ~ 60s							
	Resolution	2us							
	Accuracy	1us+20PPM							
	Rise/fall slope	0.0001 ~ 0.2A/us	0.001 ~ 2A/us	0.0001 ~ 0.15A/us	0.001 ~ 1.5A/us	0.0001 ~ 0.1A/us	0.001 ~ 1A/us	0.0001 ~ 0.05A/us	0.001 ~ 0.5A/us
Voltage readback	Range	240V	1200V	240V	1200V	240V	1200V	240V	1200V
	Resolution	2mV	10mV	2mV	10mV	2mV	10mV	2mV	10mV
	Accuracy	0.025%+0.025%F.S.							
Current readback	Range	8A	80A	6A	60A	4A	40A	2A	20A
	Resolution	0.2mA	2mA	0.15mA	1.5mA	0.1mA	1mA	0.05mA	0.5mA
	Accuracy	0.05%+0.05%F.S.							
Protection	Overvoltage (OV)	1260V							
	Overcurrent (OC)	88A		66A		44A		22A	
	Overpower (OP)	3360W		2520W		1680W		840W	
	Overtemperature (OT)	95°C							
Communication interface		RS232/RS485, LAN, USB communication interface							
Communication protocol		SCPI, MODBUS							
Weight		20.25KG		about18.3KG		about16.35KG		about14.4KG	
Dimensions (W*D*H)		480*123*595mm							
Random standard accessories		Power cord RK00001, LAN cable, instruction manual (electronic version), wiring copper sheet shield, RK00099 plug-in terminal, host computer software (download from official website)							
Optional accessories		RK00003RS232 to USB cable, RK00006USB to square port cable, RK00031USB to RS485 female serial port cable industrial grade							

Load voltage 0-1200V

Maximum load power 12kW

RK86series

DC electronic load

The RK86xx series DC electronic loads are high-performance, high-power-density electronic loads designed and manufactured by Merrick Electronics. The RK86xx series includes three voltage ranges: 150V, 600V, and 1200V, with single-unit power densities ranging from 4kW to 12kW. They feature high accuracy and fast response. A wide range of testing functions are available, supporting dynamic frequency sweep and cascading parallel operation, making them suitable for a broad range of applications.

This series features multiple communication interfaces, including RS232, RS485, LAN, and USB, and supports SCPI and Modbus communication protocols, meeting users' independent programming and development needs.

- Supports remote voltage compensation input.
- The intelligent fan system can automatically start or stop based on temperature changes.
- Supports multiple testing functions Supports host computer operation; can be connected to a computer to complete automated testing.
- Circuit parameters are calibrated using software, without the use of adjustable resistors, ensuring stable and reliable operation.

Product Series	Power level	150V	600V	1200V	high	Standard configuration	Optional
86series	4kW	RK8604-150-400	RK8604-600-280	RK8604-1200-160	4U	RK00004 power cord, RK00097 Category 6 mesh patch cord, copper connector cover, pluggable terminals, combination screws,	RK00003 RS232 to USB cable, RK00006 USB to square port cable, RK00031 USB to RS485 female serial cable (industrial grade)
	5kW	RK8605-150-500	RK8605-600-350	RK8605-1200-200	4U		
	6kW	RK8606-150-600	RK8606-600-420	RK8606-1200-240	4U		
	8kW	RK8608-150-800	RK8608-600-560	RK8608-1200-320	7U		
	10kW	RK8610-150-1000	RK8610-600-700	RK8610-1200-400	7U		
	12kW	RK8612-150-1200	RK8612-600-840	RK8612-1200-480	7U		
Communication Interface	LAN/RS232/RS485/USB						
Communication Protocol	Modbus-RTU , SCPI						
Screen Size	4.3-inch						
Dimensions (W × D × H)	482mm×650mm×177mm						

电源

DC REGULATED POWER SUPPLY

P48-P52

DC regulated power supply

&

P53-P54

AC frequency converter power supply

It is widely used in industries such as home appliance manufacturing, motor and electronics manufacturing, IT industry and computer equipment manufacturing, as well as laboratories and electronic and electrical product testing institutions.

definition: A power supply, through rectification, filtering, and voltage regulation, ensures that the output voltage or current remains stable under load changes, input fluctuations, or temperature variations, meeting the power stability requirements of precision electronic equipment.

Classification: Linear Regulated Power Supplies: Low output ripple and low noise, but low efficiency (typically 30%~60%), suitable for low-power, high-precision applications (such as audio equipment and sensors).
Switching Regulated Power Supplies: High efficiency (70%~95%) and small size, but larger ripple, suitable for high-power applications (such as computers and communication equipment).

Key points for selection: 1. Input Conditions: Input voltage range (e.g., AC220V±10% or DC24V).
Frequency Requirements (50Hz/60Hz).
2. Output Parameters: Voltage/Current Range: Select according to load requirements, with a 20% margin.
Accuracy and Ripple: High-precision equipment requires a low-ripple (e.g., <1mVpp) linear power supply.
Dynamic Response: Voltage recovery speed during load transients (e.g., loop response time is important for switching power supplies). 3. Efficiency and Heat Dissipation: For high power applications, choose a switching power supply; for low power or low noise applications, choose a linear power supply.
Consider the heat dissipation method (natural cooling or forced fan cooling).
4. Protection Functions: Overvoltage (OVP), overcurrent (OCP), short circuit

RK83series

DC regulated power supply

Output voltage: 0-2000V (rated voltage)
Output current: 0-500A (rated current);
Maximum power per unit: 15kW

This series of products features simple operation, small size, high efficiency, high precision, and high stability. Equipped with a high-brightness digital display, it has comprehensive protection functions against overvoltage, overcurrent, overtemperature, and short circuits, ensuring users can use the product with greater peace of mind, stability, and reliability. It is the optimal choice for power supplies in research institutions, laboratory testing, production line product testing, and industrial applications.

- The panel features preset buttons for setting voltage and current values.
- These values are continuously adjustable from zero to rated values, with automatic switching between voltage and current regulation.
- An overvoltage protection value can be set; the output will automatically shut off when the output voltage reaches or exceeds the overvoltage protection value.
- It has a memory function, saving preset voltage, current, and overvoltage protection values when the device is turned off.
- An overvoltage protection value can be set; the output will automatically shut down when the output voltage reaches or exceeds the overvoltage protection value.

project		parameter
Communication input	Single-phase	AC220V±10%, 50Hz, Power ≤6KW
	Three-phase	AC380V±10%, 50Hz, Power ≥6KW
DC output	Output voltage	0V - Rated Value (Refer to Selection Specification Table) ▼
	Output current	0A - Rated Value (Refer to Selection Specification Table) ▼
Load regulation	Voltage	≤0.3%F.S+10mA
	Current	≤0.3%F.S+10mA
Set value precision	Voltage	≤0.3%+20mV
	Current	≤0.3%+20mA
Readback value precision	Voltage	≤0.3%+20mV
	Current	≤0.3%+20mA
Ripple(20Hz-20MHz)	Voltage	Vrms≤0.3%F.S+50mV
Dynamic response time (10%-90% load)		≤5mS
Display method		5-digit digital meter (LED digital tube display)
Display resolution		Voltage 1mV/10mV/100mV, Current 1mA/10mA (display varies depending on power supply specifications)
Communication interface		RS232/RS485 digital interface; 0-5V/0-10V, 4-20mA analog interface (optional)
Functional protection		Overvoltage protection, overcurrent protection, overtemperature protection, short circuit protection
Heat dissipation method		PWM speed-regulating fan, air-cooled
Operating environment		Indoor design, temperature 0°C - 40°C; humidity 10% - 85%RH

voltage	model	current	power	current resolution	Voltage resolution	Input voltage (V)	Dimensions (W*D*H mm)		Weight (Kg)
30V	RK8309-30-30	30A	900W	1mA	1mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8318-30-60	60A	1.8KW	1mA	1mV	AC220V±10%，50Hz	215×360×88	2U½	7.5
	RK8336-30-120	120A	3.6KW	10mA	1mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
							430×420×88	2U	10.5
	RK8360-30-200	200A	6KW	10mA	1mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
	RK8375-30-250	250A	7.5KW	10mA	1mV	AC380V±10%，50Hz	430×500×88	2U	16
	RK83120-30-400	400A	12KW	10mA	1mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-30-500	500A	15KW	10mA	1mV	AC380V±10%，50Hz	430×560×132	3U	26
60V	RK8309-60-15	15A	900W	1mA	1mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8318-60-30	30A	1.8KW	1mA	1mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8336-60-60	60A	3.6KW	1mA	1mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
							430×420×88	2U	10.5
	RK8360-60-100	100A	6KW	10mA	1mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
	RK8375-60-125	125A	7.5KW	10mA	1mV	AC380V±10%，50Hz	430×500×88	2U	16
	RK83120-60-200	200A	12KW	10mA	1mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-60-250	250A	15KW	10mA	1mV	AC380V±10%，50Hz	430×560×132	3U	26

RK83series

DC electronic load Selection Table

voltage	model	current	power	current resolution	Voltage resolution	Input voltage (V)	Dimensions (W*D*H mm)		Weight (Kg)
100V	RK8310-100-10	10A	900W	1mA	10mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8318-100-18	18A	1.8KW	1mA	10mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8336-100-36	36A	3.6KW	1mA	10mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
							430×420×88	2U	10.5
	RK8360-100-60	60A	6KW	1mA	10mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
	RK8375-100-75	75A	7.5KW	1mA	10mV	AC380V±10%，50Hz	430×500×88	2U	16
	RK83100-100-100	100A	10KW	10mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-100-150	150A	15KW	10mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
150V	RK8318-150-12	12A	1.8KW	1mA	10mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8336-150-24	24A	3.6KW	1mA	10mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
							430×420×88	2U	10.5
	RK8360-150-40	40A	6KW	1mA	10mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
	RK8375-150-50	50A	7.5KW	1mA	10mV	AC380V±10%，50Hz	430×500×88	2U	16
	RK83120-150-80	80A	12KW	1mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-150-100	100A	15KW	10mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
200V	RK8318-200-9	9A	1.8KW	1mA	10mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8336-200-18	18A	3.6KW	1mA	10mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
							430×420×88	2U	10.5
	RK8360-200-30	30A	6KW	1mA	10mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
	RK8372-200-36	36A	7.2KW	1mA	10mV	AC380V±10%，50Hz	430×500×88	2U	16
	RK83100-200-50	50A	10KW	1mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-200-75	75A	15KW	1mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
300V	RK8318-300-6	6A	1.8KW	1mA	10mV	AC220V±10%，50Hz	215×360×88	2U½	5.5
	RK8336-300-12	12A	3.6KW	1mA	10mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
							430×420×88	2U	10.5
	RK8360-300-20	20A	6KW	1mA	10mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
	RK8375-300-25	25A	7.5KW	1mA	10mV	AC380V±10%，50Hz	430×500×88	2U	16
	RK83120-300-40	40A	12KW	1mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-300-50	50A	15KW	1mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
600V	RK8318-600-3	3A	1.8KW	1mA	10mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
	RK8336-600-6	6A	3.6KW	1mA	10mV	AC220V±10%，50Hz	215×400×88	2U½	7.5
							430×420×88	2U	10.5
	RK8360-600-10	10A	6KW	1mA	10mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
	RK8372-600-12	12A	7.2KW	1mA	10mV	AC380V±10%，50Hz	430×500×88	2U	16
	RK83120-600-20	20A	12KW	1mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-600-25	25A	15KW	1mA	10mV	AC380V±10%，50Hz	430×560×132	3U	26
1000V	RK8330-1000-3	3A	3KW	1mA	100mV	AC220V±10%，50Hz	430×500×88	2U	16
	RK8350-1000-5	5A	5KW	1mA	100mV	AC220V±10%，50Hz	430×500×88	2U	16
	RK83100-1000-10	10A	10KW	1mA	100mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-1000-15	15A	15KW	1mA	100mV	AC380V±10%，50Hz	430×560×132	3U	26
1200V	RK8336-1200-3	3A	3.6KW	1mA	100mV	AC220V±10%，50Hz	430×500×88	2U	16
	RK8360-1200-5	5A	6KW	1mA	100mV	AC220V±10%，50Hz	430×500×88	2U	16
						AC380V±10%，50Hz			
1500V	RK8315-1500-1	1A	1.5KW	1mA	100mV	AC220V±10%，50Hz	430×500×88	2U	10.5
	RK8375-1500-5	5A	7.5KW	1mA	100mV	AC380V±10%，50Hz	430×560×132	3U	26
	RK83150-1500-10	10A	15KW	1mA	100mV	AC380V±10%，50Hz	430×560×132	3U	26
2000V	RK8320-2000-1	1A	2KW	1mA	100mV	AC220V±10%，50Hz	430×500×88	2U	10.5
	RK8320-2000-2	2A	2KW	1mA	100mV	AC220V±10%，50Hz	430×500×88	2U	16
	RK83100-2000-5	5A	10KW	1mA	100mV	AC380V±10%，50Hz	430×560×132	3U	2

RK-Pseries

DC regulated power supply

This series of instruments supports customization up to 6000W.

Standard configuration includes an RS-485 serial port, supporting Modbus programming instruction set.

This series of products is a single-output DC regulated power supply with an LED digital display that simultaneously shows voltage, current, power, and output time. Voltage and current are continuously adjustable. It also comes standard with an RS485 interface for support of host computers.

- LED digital display for intuitive display of test parameters
- Automatic switching between voltage and current regulation, one-button output on/off switch for more flexible output control
- Temperature-controlled fan for energy saving
- Five robust protection functions including overvoltage, overcurrent, overpower, overtemperature, and short circuit protection.
- Six sets of quick parameter callback and storage functions.
- Features hardware List programmable sequence output.
- Standard SENSE compensation interface.
- One-key keyboard lock to prevent accidental operation.
- Standard RS-485 serial port (can be converted to RS232), supports Modbus programming instruction set
- Switchable output timer shutdown and output timing functions
- Voltage and current values can be preset in the output shutdown state for easy operation.

model	RK-3020P	RK-3030P	RK-6010P	RK-6020P	RK-6030P	RK-6060P
Voltage	0-30V	0-30V	0-60V	0-60V	0-60V	0-60V
Current	0-20A	0-30A	0-10A	0-20A	0-30A	0-60A
Power	600W	900W	600W	1200W	1800W	3600W
Voltage Resolution	10mV					
Current Resolution	10mA					
Power Resolution	0.1W			1W		
Time Resolution	S					
Voltage Stability	≤± (0.2%+5 words)					
Current Stability	≤± (0.5%+5 words)					
Load Stability	≤0.5%					
Ripple & Noise	≤1% (effective value)					
Output Voltage Preset Accuracy	±0.1V					
Output Current Regulator Preset Accuracy	±0.1A					
Altitude	≤2000m					
Ambient Temperature	5℃~40℃					
Relative Humidity	< 80%					
Ambient Temperature	0~70℃					
Relative Humidity	< 70%					
Connectors	Standard RS-485 serial port (optional RS232/USB serial port), standard SENSE compensation interface					
Dimensions (D*W*H)	330*250*155mm					410*250*155mm
Weight	5kg					7.5kg
Power Input	AC220V±10%, 50Hz (or AC110V input or AC100V/220V manual switching)					
Accessories	Instruction manual, certificate of conformity, power cord, MODBUS (download from official website)					

Automatic switching between voltage regulation and current regulation

This series of instruments supports customization up to 6000W.

RK-Dseries

DC regulated power supply

This series of products is a single-output DC regulated power supply with an LED digital display that can simultaneously display voltage, current, power, and output equivalent resistance. The voltage and current are continuously adjustable.

- LED digital display provides intuitive display of test parameters.
- Voltage and current values can be preset even when the output is off for easy operation.
- Output control switch for more flexible control
- Overvoltage, overcurrent, overpower, overtemperature, and short-circuit protection
- A user-friendly and fast operating interface.
- Temperature-controlled fan speed ensures low noise and a longer fan lifespan.

model	RK-3020D	RK3030D	RK-6010D	RK-6020D	RK-6030D	RK-6060D
Voltage	0-30V	0-30V	0-60V	0-60V	0-60V	0-60V
Current	0-20A	0-30A	0-10A	0-20A	0-30A	0-60A
Power	600W	900W	600W	1200W	1800W	3600W
Voltage resolution	10mV					
Current resolution	10mA					
Power resolution	0.1W			1W		
Voltage stability	≤± (0.2%+5 words)					
Current stability	≤± (0.5%+5 words)					
Load stability	≤0.5%					
Ripple and noise	≤1% (effective value)					
Output voltage preset accuracy	±0.1V					
Output current preset accuracy	±0.1A					
Altitude	≤2000m					
Ambient temperature	5℃~40℃					
Relative humidity	< 80%					
Ambient temperature	0~70℃					
Relative humidity	< 70%					
Dimensions (D*W*H)	330*250*155mm					410*250*155mm
Weight	5kg					7.5kg
Power input	AC220V±10%, 50Hz (or AC110V input or AC100V/220V manual switching)					
Accessories	Instruction manual, certificate, power cord					

RPS-3303/3305

variable frequency power supply

Main channel CH1 and CH2 resolution: 10mV, 1mA

CH3 resolution: 1mA, 1mA

This series of products features two adjustable outputs and one fixed output of 2.5V/3.3V/5V; it uses a pure copper toroidal transformer, which is highly efficient and generates little heat. Series and parallel connections between the main channels CH1 and CH2 can be achieved without external wiring, simplifying wiring and making testing easier. A four-digit digital display provides a high-precision resolution of 10mV/1mA and includes multiple protection functions; a one-button control for output on/off switching ensures convenience and safety.

- LED digital display provides intuitive display of test parameters.
- Main channels CH1 and CH2 feature master-slave tracking, parallel, and series connection functions.
- Slave channel CH3 offers quick output functionality, allowing for easy and convenient switching between fixed voltages of 2.5V/3.3V/5V.
- Output control switch for more flexible control
- Overvoltage, overcurrent, overpower, overtemperature, and short-circuit protection
- Voltage and current values can be preset in the output off state for easy operation.
- A user-friendly and fast operating interface.
- Temperature-controlled fan speed ensures low noise and a longer fan lifespan.

Channel		CH1	CH2	CH3	CH1	CH2	CH3
Voltage		0 ~ 30V	0 ~ 30V	2.5V/3.3V/5V Fixed	0 ~ 30V	0 ~ 30V	2.5V/3.3V/5V Fixed
Current		0~3A	0 ~ 3A	3A Max	0 ~ 5A	0 ~ 5A	3A Max
Ripple	Voltage	≤1mVrms	≤1mVrms	≤ 2mVrms(5Hz~1	≤0.01%+3mV(I≤3A)	≤0.01%+3mV(I≤3A)	≤ 2mVrms(5Hz~1
					≤0.02%+5mV(I>3A)	≤0.02%+5mV(I>3A)	
	Current	≤3mArms	≤3mArms	/	≤3mArms(I≤3A)	≤3mArms(I≤3A)	/
					≤10mArms(I>3A)	≤10mArms(I>3A)	
Tracking Operations	Tracking error	0.5%+10mV(CH1)			0.5%+10mV(CH1)		
	Line regulation	≤0.01%+3mV			≤0.01%+3mV		
	Load regulation	≤300mV			≤300mV		
	Ripple noise	≤2mVrms(5Hz~1MHz)			≤2mVrms(5Hz~1MHz)		
Dimensions (D×W×H)		330×250×155mm					
Weight		Net weight: 7.5kg/Gross weight: 11.5kg					
Altitude		≤2000m					
Ambient temperature		5℃~40℃					
Relative humidity		< 80%					
Ambient temperature		0~70℃					
Relative humidity		< 70%					
Power input		AC220V±10%, 50Hz (or AC110V input or AC100V/220V manual switching)					
Accessories		Instruction manual, certificate, power cord, test lead					

RK5000series

AC POWER SOURCE

It has protection functions against short circuit, overcurrent, overload, and overheating.

The RK5000 series frequency converter power supply is based on a microprocessor and manufactured using MPWM. It is designed with active component IGBT modules and adopts technologies such as digital frequency division, D/A conversion, instantaneous value feedback, and sinusoidal pulse width modulation. It uses an isolation transformer output to increase the stability of the whole machine. It features strong load adaptability, good output waveform quality, simple operation, small size, and light weight. It has short circuit, overcurrent, overload, and overheat protection functions to ensure reliable operation of the power supply.

- High-precision frequency and voltage stabilization; rotary knob for quick voltage and frequency adjustment.
- No radiated interference; low harmonic content; specially treated to prevent interference.
- High-precision, simultaneous measurement and display of four parameters in four windows: frequency, voltage, current, power, and power factor, without the need for switching.
- It features multiple protection and alarm functions, including overvoltage, overcurrent, overload, and overtemperature protection.
- It has a fast transient response speed.

Model		RK5000	RK5001	RK5002	RK5003	RK5005
Capacity		500VA	1kVA	2kVA	3kVA	5kVA
Circuit Mode		Mode Of IGBT/SPWM				
Input	Number Of Phases	1ψ2W				
	Voltage	220V±10%				
	Frequency	47Hz-63Hz				
Output	Number Of Phases	1ψ2W				
	Voltage	Low=0-150VAC High=0-300VAC				
	Frequency	45-70Hz、50Hz、60Hz、2F、4F、400Hz			45-70Hz、50Hz、60Hz、400Hz	
The Maximum Current	L=120V	4.2A	8.4A	17A	25A	42A
	H=240V	2.1A	4.2A	8.6A	12.5A	21A
Rate Of Load Voltage Stabilization		1%				
Waveform Distortion		1%				
Frequency Stability		0.01%				
LED Display		Voltage V、 Current A、Frequency F、Power W				
Voltage Resolution		0.1V				
Frequency Resolution		0.1Hz				
Curren Tresolution		0.001A			0.01A	
Protection		Over Current,Over Temperature,Overload,Short Circuit				
Weight		24Kg	26Kg	32KG	70Kg	85Kg
Volume(Mm)		420×420×190mm			420×520×600mm	
Operating Environment		0℃～40℃ ≤85% RH				
Accessories		Power Line			——	

RKP6000series

Programmable AC POWER SOURCE

Hardware waveform synthesis and PID control are used for sampling, resulting in a stable output waveform and fast response speed.

The RKP6000 series programmable frequency converter power supply features high precision, high power, and programmable voltage regulation and stabilization, making it suitable for industrial equipment testing, laboratory research and development, and other scenarios.

- △ High-frequency SPWM hardware adjustment technology ensures fast response and stable output.
- △ High-power MOS/IGBT driver provides reliable operation and strong overload capacity.
- △ Suitable for various loads including resistive, inductive, and rectifier loads.
- △ Features protection against overheating, overcurrent, overload, and short circuit.
- △ It has parameter memory and can store shortcut key operation modes for easy and convenient use.
- △ The power supply voltage is adjustable online, and the output frequency is selectable.
- △ It features a high-resolution LCD display, providing clear and bright visuals with a wide viewing angle, making it convenient for production line use.
- △ It also has an RS232/485 communication interface with a baud rate up to 9600.

Model Number	RKP6000	RKP6001	RKP6002	RKP6003	RKP6005
Capacity	500VA	1KVA	2KVA	3KVA	5KVA
Output Current Range	Low range: 1.0 ~ 150.0V; High range: 150.1V ~ 300.0V;	Low range:1.0 ~ 150.0V; High range:150.1V ~ 300.0V;	Low range:1.0 ~ 150.0V; High range:150.1V ~ 300.0V;	Low range:1.0 ~ 150.0V; High range:150.1V ~ 300.0V;	Low range:1.0 ~ 150.0V; High range:150.1V ~ 300.0V;
Output Voltage Range	Low range: Maximum current 4.2A; High range: Maximum current 2.1A	Low range:Maximum current8.4A High range:Maximum current4.2A	Low range:Maximum current16.66A High range:Maximum current8.3A	Low range:Maximum current25A High range:Maximum current12.5A	Low range:Maximum current41.66A High range:Maximum current20.83A
Output Frequency	45~400Hz				
Frequency Stability	≤0.1%				
Voltage Stability	1%				
Distortion	≤2%（THD）				
Crest Factor	1.41±0.10				
Source Voltage Effect	≤1%				
Load Effect	≤1%				
Efficiency	≥ 90% (the capacity of 3kVA and below is Z80%)				
Frequency Display	0.1% reading with a resolution of 0.1Hz.				
Voltage Display	±(0.5% reading +0.5% range) with a resolution of 0.1V				
Current Display	±(0.5% reading +0.5% range) with a resolution of 0.001A/0.1A				
Power Display	±(0.5% reading +0.5% range) with a resolution of 0.01W/0.1KW				
Power Factor Display	±0.1, resolution 0.01				
Preset Functions	Upper limit of output voltage, output frequency and output current				
Quick Functions	Common voltage and frequency conversion				
Alarm Functions	Alarm (acousto-optic) signal is sent out after the protection device acts. The fault code is displayed:				
Overload function	1.0LE<1 output S1.1LE, delay 15S to cut off the output.				
	1.1LE 1 outputs S1.2LE, and the output is cut off after a delay of 5S.				
Overheat Protection	The temperature of power device is greater than 85℃+5℃				
Input Voltage	220V±10% AC				
Operating Environment	Temperature: -10℃~40℃ Humidity: 10% ~ 90% (no condensation at 25℃) Altitude ≤2000M.				
Specifications	Desktop single phase				Cabinet single phase
Communication Interface	RS-232C (standard), RS-485C (optional), relay signal output (optional)				
Dimensions	430*168*430mm		505*253*430mm	520*380*590mm	565*430*715mm
Weight (KG)	15	20.5	31	72	102
Standard Configuration	Power cord				/

P56-P59

Digital bridge

数字电桥

It can be widely used in factories, colleges, research institutes, metrology and quality inspection departments to measure the parameters of various components with high accuracy.

definition: Digital bridge: A digital bridge is an important tool for measuring physical quantities such as resistance, capacitance, and inductance. It employs advanced digital technology, providing highly accurate data processing and display functions for measurements.

Key points for selection: Test frequency, test output impedance, test level, test accuracy, internal resistance.

RK2810/11series

Basic precision 0.002

Digital bridge

The RK2810A/RK2811D digital bridge is a new generation of low-frequency component measuring instruments built with the latest measurement principles. It offers stable testing, fast measurement speed, a large-character LCD screen, surface mount technology, user-friendly menu settings, and an excellent appearance. It is equally adept at applications such as quality control on production lines, incoming material inspection, and automated component testing systems.

- Employing SMT surface mount technology.
- with a maximum measurement speed of 20 measurements per second, it meets the requirements of the testing system.
- The output impedance selection is available in 30Ω and 100Ω, displayed clearly and intuitively on a large-character LCD screen.
- Comprehensive measurement parameters and stable readings

model		RK2810A		RK2811D	
Measurement functions	Measurement parameters	Main: L/C/R/Z, Sub: D/Q/θ/ESR			
	Basic accuracy	0.002			
	Test speed	Fast: 20 times/second, Medium: 10 times/second, Slow:		Fast: 20, Medium: 10, Slow: 3 (times/second)	
	Test terminal configuration	Four-terminal		Five terminals	
	Equivalent circuit	Series, parallel		Series, parallel	
	Range mode	Automatic		Auto, hold	
	Trigger mode	Internal, manual, external		Internal, external	
	Calibration function	Short circuit, open circuit		Open/short clear	
	Display	LCD main and sub parameters dual display		Large white backlight LCD	
	Tolerance limit	1%, 5%, 10%, 20%		1%, 5%, 10%, 20%	
Test signal	Test frequency	100Hz, 120Hz, 1KHz, 10KHz		100Hz, 120Hz, 1kHz, 10kHz	
	Output impedance	100Ω		30Ω , 100Ω	
	Test level	0.1Vrms, 0.3Vrms, 1.0Vrms			
Measurement display range		Ls、Lp	0.001uH-1000.0H	|Z|, R, X, ESR	0.0001Ω- 99.999MΩ
		Cs、Cp	0.001pF-20.000mF	C	0.01pF-19999μ F
		R、Rs、Rp、X、Z	0.0001-10.000MΩ	L	0.01μH-99999H
		ESR	Display range 0.0001Ω~999.9Ω Resolution 0.0001Ω	D	0.0001-9.9999
		D	Display range 0.0001~9.999 Resolution 0.0001	θ(Deg)	-179.9° - 179.9°
		Q	Display range 0.0000~9999 Resolution 0.0001	θ(Rad)	-3.14159 - 3.14159
		θ	Display range -179.9° — 179.9° Resolution 0.01°	Q	0.0001 - 999.9
		/		Δ%	-19.9998
Comparators		ON (open) / OFF (close)		Fixed percentage 5-level sorting and alarm	
General specifications	Operating temperature, humidity	Temperature 0℃~40℃ Humidity ≤80%RH		Temperature 0℃~40℃	
				humidity ≤90%RH	
	Power requirements	198V~242V, 47.5Hz~63Hz		99V~242V	
	Power consumption	≤15VA		≤ 20VA	
	Dimensions (W×H×D)	215mm*88mm*230mm		307*309*120mm	
	Weight	About2.0kg		About3.5kg	
Accessories		Power cord, four-terminal Kelvin test lead, product calibration report, certificate of conformity		Power cord, four-terminal Kelvin test lead, bridge test clip, product calibration report, certificate of conformity	

Precision measurement of various components

RK2830/2837series

Digital bridge

The RK2830/2837 series is a new generation of general-purpose high-performance LCR meters. It features an attractive design and easy operation. This product offers stable 6-digit test resolution, a frequency range of 50Hz-100kHz, a signal level of 10mV-1.0V, and a speed of up to 40 measurements per second, meeting all measurement requirements for components and materials. It provides assurance for production line quality control, incoming inspection, and high-precision measurements in laboratories.

- 50Hz-200kHz, resolution: 10mHz
- Basic accuracy: 0.05%, six-digit readout resolution
- High-speed and high-efficiency measurement: up to 40 measurements/second
- Automatic LCR function
- Supports USB flash drive upgrades and can quickly save test data to a USB flash drive.
- Parameters are saved instantly and are not lost when the device is turned off.

model		RK2830	RK2837	RK2837A	
Measurement functions	Measurement parameters	|Z|,C,L,R, X, ESR,D,Q,θ	|Z|,C,L,R, X, |Y|,B,G,ESR,D,Q,θ	|Z|,C,L,R, X, |Y|,B,G,D,Q,θ	
	Basic accuracy	0.05%			
	Test speed	Fast: 50, Medium: 10, Slow: 2.5 (times/second)			
	Equivalent circuit	Series, Parallel			
	Range mode	Auto, Hold			
	Trigger mode	Internal, Manual, Auto DUT, External, Bus			
	Calibration function	Open/Short			
	Display	480*272, 4.3-inch TFT color screen			
	Memory	Internal 100 groups, external USB 500 groups			
Test signal	Test frequency	50Hz,60Hz,100Hz,120Hz , 1kHz,10kHz	50Hz-100kHz,10mHz Stepping	50Hz - 200kHz, Resolution:10mHz	
	Output impedance	30Ω, 50Ω, 100Ω			
	Test level	50mV - 2.0V,Resolution:10mV	10mV - 1.0V,Resolution:10mV	10mV - 2.0V， Resolution:10mV	
Measurement display range	Ls、Lp	0.00001μH ~ 99.9999kH		Ls、Lp	0.00001μH ~ 99.9999kH
	Cs、Cp	0.00001pF ~ 99.9999mF		Cs、Cp	0.00001pF ~ 99.9999mF
	R、Rs、Rp、X、Z	0.00001Ω ~ 99.9999MΩ		R、Rs、Rp、X、Z	0.00001Ω ~ 99.9999MΩ
	G、Y、B	————	0.00001μS ~ 99.9999S	G、Y、B	0.00001μS ~ 99.9999S
	ESR	0.00001mΩ ~ 99.9999kΩ		D	0.00001 ~ 9.99999
	D	0.00001 ~ 99.9999		Q	0.00001 ~ 99999.9
	Q	0.00001 ~ 99999.9		θr	-3.14159 ~ 3.14159
	qr	-3.14159 ~ 3.14159		θd	-180.000° ~ 180.000°
	qd	-180.000° ~ 180.000°		Δ%	-99.9999% ~ 999.999%
	D%	-99.9999% ~ 999.999%		/	
Comparators and Interfaces	Comparator	5-level sorting, BIN1-BIN3, NG, AUX, PASS/FAIL LED display			
	Interface	RS232C/USB-HOST/USB-CDC/ USB-TMC/HANDLER (optional)			
General specifications	Operating temperature, humidity	0°C - 40°C, ≤90%RH			
	Power requirements	Voltage: 99V - 242V			
		Frequency: 47.5Hz-63Hz			
	Power consumption	≤ 20 VA			
	Dimensions (W×H×D)	350*280*100mm		280mm×88mm×320mm	
	Weight	About 2.7kg		About 2.5kg	
Accessories		Power cord, test clip, product calibration report, certificate of conformity			

RK2839series

Digital bridge

Stable 6-bit test resolution, frequency range of 20Hz-1MHz, signal level of 5mV-10V, up to 111 times/second.

The RK2839 series is a new generation of general-purpose high-performance LCR meters. It features an attractive design and easy operation. This product offers stable 6-digit test resolution, a frequency range of 20Hz-1MHz, a signal level of 5mV-10V, and a speed of up to 40 measurements per second, meeting all measurement requirements for components and materials. It provides assurance for production line quality control, incoming inspection, and high-precision measurements in laboratories.

- △ 20Hz-1MHz, resolution: 1mV
- △ High-speed, high-efficiency measurement: up to 111 measurements/second (including display)
- △ Parameters are saved instantly and not lost when the power is off.
- △ Basic accuracy: 0.05%, six-digit reading resolution.
- △ Automatic LCR function.
- △ Supports USB flash drive upgrades and can quickly save test data to a USB flash drive.

model		RK2839A	RK2839B	RK2839C
Measurement functions	Transformer test parameters	Turns ratio, number of turns, phase, inductance, capacitance, leakage inductance, quality factor, AC resistance, DC resistance		
	LCR test parameters	|Z|, |Y|, C, L, X, B, R, G, D, Q, θ ,DCR		
	Basic accuracy	0.05%		
	Measurement time (≥10kHz)	Fast: 9ms/sec, Medium: 67ms/sec, Slow: 187ms/sec		
	Equivalent circuit	Series, parallel		
	Range mode	Auto, hold, manual selection		
	Trigger mode	Internal, manual, external, bus		
	Average times	1-255		
	Delay time	0-60s, 1ms step		
	Calibration function	Open/short point frequency, full frequency zeroing, load calibration		
	List scan	40 points frequency, level, bias voltage/current		
	Graph scan	Frequency, level, bias voltage/current		
Test signal	Test frequency	20Hz-300kHz	20Hz-500kHz	20Hz-1MHz
		Continuous frequency, resolution: 1mHz		
	Test signal level	5 mV-2V (standard); 5mV-10V (enhanced， customization required)		
	Output impedance	Automatic level range: 5 mV-1V Accuracy: 5% Resolution: 1mV		
	DC bias (built-in)	10Ω/CC, 25Ω, 50Ω, 100Ω optional		
Measurement display range	|Z|, R, X	0.00001 Ω — 99.9999 MΩ		
	DCR	0.00001 Ω — 99.9999 MΩ		
	|Y|, G, B	0.00001μS — 99.9999 S		
	C	0.00001 pF — 9.9999 F		
	L	0.00001 μH — 99.9999 kH		
	D	0.00001 — 9.99999		
	Q	0.00001 — 99999.9		
	θ (DEG)	-179.999 °— 179.999 °		
	θ (RAD)	-3.14159 — 3.14159		
	Δ%	-999.999% — 999.999%		
Comparator		Ten-level sorting, level counting		
Memory		100 groups of internal files, 500 groups of files in USB flash drive		
Interface		RS232C, USBTMC, USBCDC, Handler, GPIB (optional)		
Temperature&Humidity		0°C - 40°C, ≤90%RH		
Power Requirements	Voltage	198V-242V		
	frequency	47.5Hz - 63Hz		
Power consumption		≤80 VA		
Dimensions (W×H×D)		400mm×130mm×350mm		
Weight		About 10kg		
Random standard		Power cord, test box, test clip, product calibration report, certificate of conformity		

Stable 6-bit test resolution, frequency range of 20Hz-5MHz, signal level of 10mV-5V, up to 180 times/second.

RK2840series

Digital bridge

The RK2840 series is a new generation of general-purpose high-performance LCR meters. It features an attractive design and easy operation. This product offers stable 6-digit test resolution, a frequency range of 20Hz-5MHz, a signal level of 10mV-5V, and a speed of up to 180 measurements per second, meeting all measurement requirements for components and materials. It provides assurance for production line quality control, incoming inspection, and high-precision measurements in laboratories.

- 20Hz - 5MHz, Resolution: 10mHz Basic accuracy: 0.1%, six-digit readout resolution
- High-speed and high-efficiency measurement: up to 180 measurements/second(including display)
- Supports USB flash drive upgrades and can quickly save test data to a USB flash drive.
- Parameters are saved instantly and are not lost when the device is turned off.
- Automatic LCR function

model		RK2840A	RK2840B
Measurement functions	Measurement parameters	|Z|,C,L,R, X, |Y|,B,G,D,Q,θ,DCR	
	Basic accuracy	0.10%	
	Test speed	Fast: 180, Medium: 25, Slow: 5 (times/second)	
	Equivalent circuit	Series, Parallel	
	Range mode	Auto, Hold	
	Display mode	Direct Reading, Δ, Δ%	
	Trigger mode	Internal, Manual, Auto DUT, External, Bus	
	Correction function	Open/Short/Load, Full Frequency Zero, 64-Point Frequency Zero	
	Graphic scan	Frequency, Level, Bias Voltage/Current	
	List scan	20-Point Frequency, Level, Bias Voltage/Current	
	Display	800X480, 7-inch TFT Color Screen	
	Memory	120 Internal Groups, 600 External USB Groups	
Test frequency		20Hz - 2MHz, Resolution:10mHz	20Hz - 5MHz, Resolution:10mHz
Output impedance		10Ω, 30Ω, 50Ω, 100Ω	
Test level		f≤1MHz,10mV ~ 5V, Resolution:10mV f>1MHz,10mV ~ 1V, Resolution:10mV	
Internal DC bias source	Voltage mode	-5V ~ +5V, 1mVStepping	
	Current mode (internal resistance is 100Ω)	-50mA ~ 50mA, 100uAStepping	
Measurement display range	|Z|, R,X	0.0001Ω - 99.9999MΩ	
	|Y|, G, B	0.0001uS - 999.999S	
	C	0.00001pF - 99.9999mF	
	L	0.00001μH - 99.9999kH	
	D	0.00001 - 9.99999	
	θ(Deg)	-179.9°- 179.9°	
	θ(Rad)	-3.14159 - 3.14159	
	Q	0.01 - 99999.9	
	Δ%	-999.99% - 999.99%	
	DCR	1mΩ - 99.9999MΩ	
Comparators		10-level sorting, BIN0 - BIN9, NG, AUXPASS/FAIL LED display	
Interface		RS232C/USB-HOST/USB-CDC/USBTMC/ HANDLER/GPIB (option)/SCANNER (option)	
Temperature & Humidity		0°C - 40°C, ≤90%RH	
Power Requiremen	Voltage	99V - 242V	
	frequency	47.5Hz - 63Hz	
Power consumption		≤60 VA	
Dimensions(W×H×D)		400mm×130mm×350mm	
Weight		about5kg	
Random standard		Power cord, test box, test clip, product calibration report, certificate of conformity	

Standard host computer software

RK98/99series

DIGTAL POWER METER

This series of products features simple operation, small size, high efficiency, high precision, and high stability. Equipped with a high-brightness digital display, it has comprehensive protection functions against overvoltage, overcurrent, overtemperature, and short circuits, ensuring users can use the product with greater peace of mind, stability, and reliability. It is the optimal choice for power supplies in research institutions, laboratory testing, production line product testing, and industrial applications.

- The time of over-limit alarm can be adjusted.
- Increase the power (energy) display function
- Upper and lower limits of current and power The alarm function can be set separately.
- Full range of optional communication functions

Model	RK9830N
Output Voltage（V）	0~600V
Output Current（A）	0~40A
Power（P）	Single-Phase 0～24KW Three-Phase 0～41.5KW
Power Factor(PF)	-1.000～+1.000
Frequency Range (Hz)	45～65Hz
Cumulative Range Of Electric Energy	0～1000KW/H
Accuracy	±0.4% Numerical Reading ±0.1% Range±1 Word
Power Requirments	220V±10%,50Hz±5%
Work Environment	0℃~40℃≤85%RH
Exterior Dimension	330x270x110mm
Weight	2.5kg
Accessory	Power Line

Model Number		RK9800N	RK9901N	RK9940N	RK9980N	RK9813N	RK9804	RK9804A
Wiring Method		One-way communication					AC/DC	
Display		The LED digital screen displays V, A, W, PF, Hz, and KW/h in four windows.						
Measurement Items		Voltage (V), Current (A), Active Power (W), Power Factor (PF), Frequency (Hz), Electrical Energy (KW/h)					Voltage (V), Current (A), Active Power (W), Power Factor (PF), Frequency (Hz)	
Input Voltage		0～600V					2～600V	
Input Current		0～4A 3.5～20A	0～8A 7～40A	0～16A 15～80A		0～0.1A 0.08～4A 3.5～20A	0.005A～20A	0.005A-40A
Power (P)		12KW	24KW	48KW		12KW	0.01W～12kW	
Power Factor (PF)		- 1.000～+1.000					0.1~1	
Test Frequency		45Hz～65Hz (referring to the frequency that the tester can detect)					40Hz～400Hz	
Energy Accumulation Range		0～1000KW/h					0～999W/h	
Input impedance	Voltage	> 3MΩ					Approximately 2MΩ (all voltage ranges)	
	Current	< 0.001Ω				<0.05Ω (100mA range) <0.001Ω (other ranges)	Approximately 0.004Ω	
Maximum continuous input allowed	Voltage	800V					700V AC/DC	
	Current	25A	45A	85A		25A	23A AC/DC	46A AC/DC
Basic accuracy	Voltage	± (0.4% of reading + 0.1% of range)						
	Current							
resolution	Voltage	0.1V						
	Current	1mA (current less than 10A) 10mA (current greater than 9.999A)				10uA (current less than 100mA) 1mA (current less than 10A) 10uA (current less than 9.999mA)	0.001A	
Alarm function		/	Current and power exceeding upper and lower limits alarm (over-limit time adjustable)					
Communication function		RS232 (DB9) interface (optional)					Standard RS232, optional RS485	
Speed measurement		2 times/second					The display refresh period can be set from 0.1 seconds to 5 seconds.	
Lock function		Used when data fluctuates, making it easier to read.						
Operating power supply		≤AC 220V ±20%，50/60Hz					100-240V AC 45-440Hz,100-300V DC	
Power consumption		<8W（220V，50Hz）					Approximately 7W (220V, 50Hz)	
Dimensions (DxWxH)		275*242*128mm	274*242*120mm	365*295*195mm		365*295*195mm	272*241.5*111.5mm, plus an extra 7.5mm for the base.	
Weight		2.8kg	2.8kg	2.8kg	3.1kg	3.1kg	2.3kg	
Standard configuration		Host computer software (download from official website), power cord					MODBUS protocol host computer software (download from official website), power cord	
Optional configuration		RS232 communication cable RK00002					/	

RK4008/4016

Multi-channel temperature inspection instrument

Standard host computer software

Compatible thermocouples: K, S, R, N, E, J, T, B

The RK4008/4016 multi-channel temperature monitoring instrument is a precise, fast, stable, reliable, feature-rich, easy-to-operate, and cost-effective temperature measuring instrument.

This series has gained extremely wide application due to its rich display screens, flexible operation methods, and powerful recording, calculation, and management functions.

- Dual operation via touch and buttons Supports display of multiple
- temperature units including Celsius (°C), Fahrenheit (°F), and Kelvin (K)
- Collected temperature data can be saved and exported to an external USB flash drive.
- Supports multiple types of thermocouple temperature sensors.
- Utilizes a high-speed, high-performance 32-bit ARM microprocessor.
- Supports power bank power supply.
- 4.3-inch resistive touch TFT LCD screen with high-definition display
- Multi-point upper and lower limit alarm function
- Bilingual system language (Chinese and English)

type	RK4008	RK4016
Number of channels	8 channels	16 channels
Display and operation	4.3-inch serial display+independent buttons	
Display form	Real-time list value	
Compatible thermocouple	K, S, R, N, E, J, T, B	
thermocouple	Basic accuracy of-50 ~ 1300℃ 0.2%+0.5℃± 2 words (excluding thermocouple accuracy)	
J thermocouple	Basic accuracy of--100~1000℃ 0.2%+0.5℃ ± 2 words (excluding thermocouple accuracy)	
T-thermocouple	Basic accuracy of-100 ~ 380℃ 0.2%+0.5℃ ± 2 words (excluding thermocouple accuracy)	
S type thermocouple	Basic accuracy of--100~1600℃ 0.2%+0.5℃ ± 2 words (excluding thermocouple accuracy)	
R thermocouple	Basic accuracy of-50 ~ 1600℃ 0.2%+0.5℃ ± 2 words (excluding thermocouple accuracy)	
resolution ratio	0.1 ℃ or 0.01 ℃.	
Recording time interval	1~9999.9S can be set at will.	
Sampling speed	0.1S per channel	
communication interface	Standard: USB optional: RS232,RS485	
Channel isolation voltage	The voltage difference between channels can be as high as AC/DC 350V, which has super anti-interference	
Recording time	One-second recording interval can record continuously for 97 days.	
Alarm sound	Buzzer (it sounds at any alarm and can be set to mute)	
Number of files	64 (circular record)	
Thermocouple detection	Automatic detection of broken couple	
Cold Junction Compensation	Accuracy: ±0.5 ℃	
power requirement	AC 85V-265V,50Hz/60HZ	
power consumption	<20W	
volume	301.3x220 (with handle 260)x88(102 with rubber feet) mm	
Weight /KG	2.2	
Accessories/standard	RK00126 multi-channel temperature test line, power supply line RK00001, USB data line RK00123, instruction manual (electronic version), flat screwdriver.	
select to breed	RK00031 USB to RS485 bus serial line industrial grade, RS232 to USB RK00003.	

8-channel/16-channel

RK-8/16

Multi-channel temperature inspection instrument

The RK-8 multi-channel temperature monitoring instrument is suitable for simultaneous real-time monitoring and tracking of multiple temperature points. Equipped with software, it records the entire temperature rise process as a curve, facilitating data storage, analysis, and communication. It boasts advantages such as convenient measurement, high accuracy, and reusable thermocouple test points.

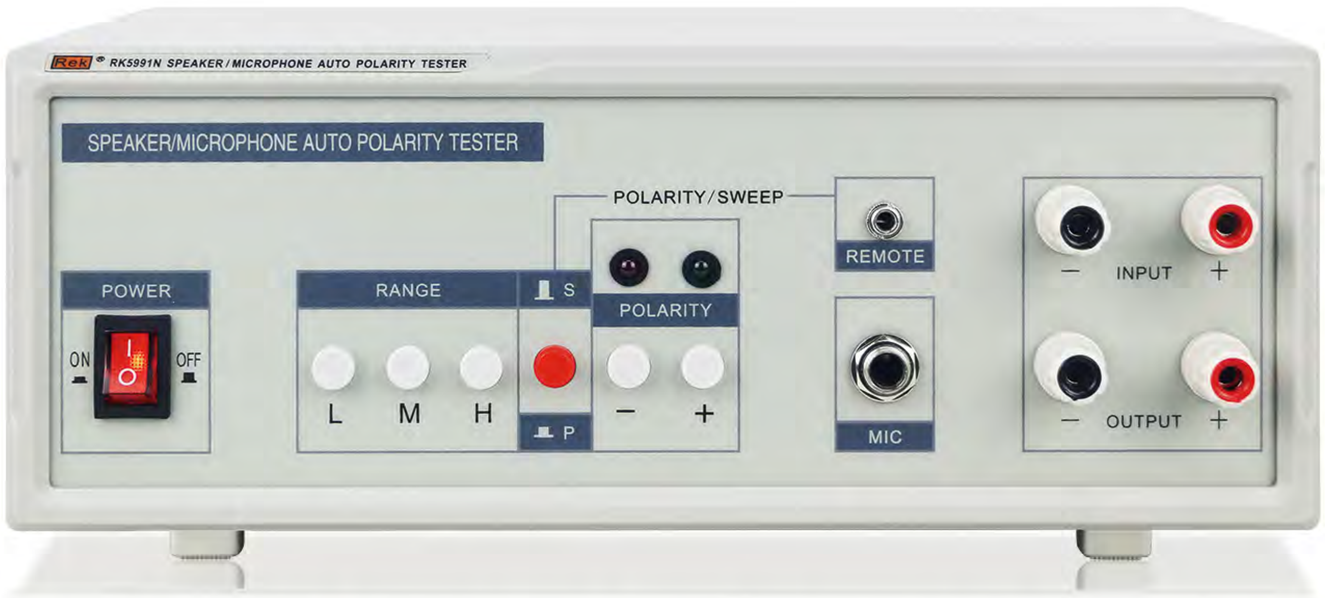
- Suitable for applications with 8 to 16 channels, with an accuracy class of 0.5.

Model	RK-8	RK-16
Number Of Input Channels	8-Channel	16-Channel
Channel Setting	It Can Be Close Or Open The Measurement Channel Arbitrarily According To The Requirements.	
Sensor	Nickel Chromium-Nickel Silicon (K Type) Thermocouple(Other Types Is Optional) All The Thermocouple Probe Can Be	
Temperature Measuring Value	-50 ~ 300℃	
Test Accuracy	0.5 Level	
Display	2 LED Digital Tube Display Channel Number,4 LED Display Temperature Values	
Interface Of Communication	Communication Function Of RS-232	With RS232,The Print Port (Standard)
Power Consumption	≤20W	
Power Requirments	220V±10%,50Hz±5%	
Work Environment	0℃ ~ 40℃,≤85% RH	
Exterior Dimension	330×270×110mm	
Weight	3kg	3kg
Accessory	Power Line,Sensor Line,Data Line,CD	

RK5991N

Microphone polarity tester

Latest Pulse-type Automatic Rapid Measurement Method



Model	RK5991N
Measuring pulse width	0.4ms
Measuring pulse amplitude	≥10Vp-p
Application	Pulse amplitude in H,it is suitable for general speaker
	Pulse amplitude in M,it is suitable for dome speaker
	Pulse amplitude in L,it is suitable for MYLAY The speaker and the Moving coil receiver.
Sensor microphone	Condenser microphone
The voice alarm	It can switch “+”, “-” buzzer alarm
Sensitivity of test	High-grade≥25cm,Middle and low-grade≤25cm
Test speed	About 0.2 s
Power consumption	≤10VA
Power Requirments	220V±10%,50Hz±5%
Work environment	0℃ ~ 40℃,≤85% RH
Exterior dimension	255×145×220mm
Weight	2kg
Accessory	Microphone (voice tube),test line

- Three pulse amplitude tests, with fast and accurate polarity testing.
- Polarity audible and visual indicators, selectable positive or negative alarm polarity.
- External audio signal input is supported for simultaneous pure-tone listening tests during polarity testing.

The RK5991N microphone polarity tester can automatically and quickly determine the positive and negative polarities of speakers, headphones, and dynamic receivers of any type, size, material, and impedance. The instrument is simple to operate, has zero false alarms, and features fully automatic LED or alarm indicators. It employs the latest pulse-type automatic rapid measurement method, simultaneously testing the pure tone of speakers on an assembly line.

RK1212/1316

Audio signal generator

Power-on delay output, short-circuit protection

This series of audio signal generators uses an advanced voltage-controlled oscillator circuit to produce stable, low-distortion sine wave signals. Output amplitude and frequency are digitally displayed, and the sweep range can reach over 1:1000. The start and end points of the sweep can be arbitrarily set. It features power-on delay output and short-circuit protection. It is also designed to test the positive and negative polarities of speakers, headphones, and dynamic receivers of any type, size, and impedance.

- Waveform output frequency is 20Hz ~20kHz, sweep ratio reaches 1000.
- frequency resolution is 1Hz, small
- signal output amplitude reaches
- 10mVrms, built-in speaker/ headphone switch, and voltage can be freely switched. (RK1316 series only)
- Employs Direct Digital Synthesis (DDS) technology (RK1212/ RK1316 series)
- Frequency stability ≤ 5 × (10^{-6})
- Built-in polarity tester function (RK1316 series only)
- The scan start and end frequencies can be set arbitrarily.
- It features power-on delay output and short-circuit current limiting protection.

*RK5991N+RK1212series=RK1316series

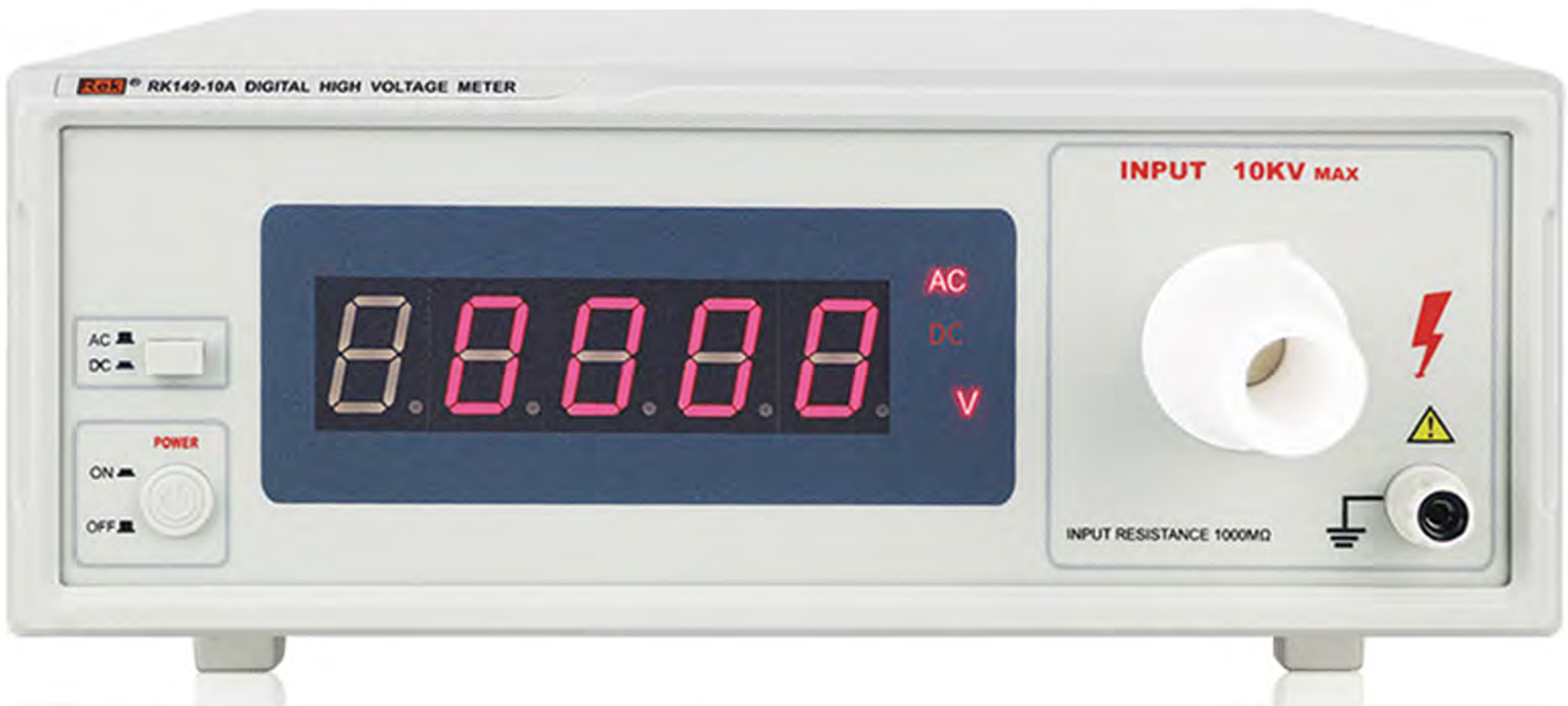
Model	RK1212BLN	RK1212DN	RK1212EN	RK1212GN
Test Range	20 Hz ~ 20 KHz dpi: 1Hz			
Output Amplitude Voltage	0.1 ~ 15Vrms	0.1 ~ 18Vrms	0.1 ~ 22Vrms	0.1 ~ 28.5Vrms
Resolution	0.01Vrms			
Output Voltage Accuracy	±1% +3 words			
Sine Wave Distortion	< 0.2%(20W,8Ω Loading,Rest≤0.8%)			
Output Power	20W	40W	60W	100W
Mode Of Sweep Frequency	Logarithm			
Sweep Frequency Ratio	0.736111111			
Sweep Frequency Time	0.1s ~ 20s			
Output Mode	Power Output,Synchronous Output			
Work Environment	220V±10%, 50Hz±5%			
Exterior Dimension	352×365×120mm			
Weight	7.3kg	7.25kg	7.85kg	7.4kg
Accessory	Power Line,Test Line			

Model	RK1316BL	RK1316D	RK1316E	RK1316G
Test Range	20HZ-20KHz			
Resolving Power	1Hz			
Sine Wave Output Range	0.1Vrms-15Vrms(20W)	0.1Vrms-18Vrms(40W)	0.1Vrms-22Vrms(60W)	0.1Vrms-28.5Vrms(100W)
Resolving Power	0.01Vrms			
Output Voltage Error	±1% +3words, (F≤20Khz)			
Sine Wave Distortion	< 0.2%(20W,8Ω Loading,Rest≤0.8%)			
Output Power	20W	40W	60W	100W
Pulse Width	0.4 (±0.2ms)			
Pulse Amplitude	10VPP (H High、W Medium、L Low)			
Sensor Microphone	Condenser Microphone			
Test Sensitivity	High Grade ≥ 25cm, Medium Grade ≤ 25cm Speaker			
Discriminating Speed	0.2s			
Speakers, Headphones	Speakers/Headphones			
Mode Of Sweep Frequency	Logarithm			
Sweep Ratio	0.736111111			
Sweep Frequency Time	0.1s ~ 20s			
Output Mode	Power Output,Synchronous Output			
Work Environment	220V±10%,50/60Hz			
Exterior Dimension	390mm×368mm×135mm			
Weight	7.45Kg	6.65Kg	7.25Kg	7.65Kg

RK149series

High voltage digital meter

The maximum voltage measurement range is AC/DC (1.000～19.999)kV (20.000～50.000)kV.



The RK149 series high-voltage digital voltmeter is a high-precision voltmeter using a 4.5-digit digital display. It features easy operation, intuitive display, high accuracy, small size, and light weight.

The RK149 series high-voltage digital voltmeter is mainly used for measuring pulse high voltage, lightning high voltage, and power frequency high voltage. It is the preferred replacement for high-voltage electrostatic voltmeters. It is widely used in power systems and electronic equipment manufacturing departments for measuring power frequency AC/DC high voltage and metering.

△ It can display the polarity of the tested DC voltage.

△ The input impedance is 1000MΩ, suitable for measuring AC and DC voltage measurement of high impedance sources

△ High measurement accuracy, stable and durable.

Model Number	RK149-10A	Rk149-20A	RK149-30A	RK149-40A	RK149-50A
Measurement Voltage Range	AC、DC (0.500 ~ 10.000) kV	AC、DC (1.000 ~ 19.999) kV	AC、DC (1.000 ~ 20.000)kV (20.000 ~ 30.000)kV	AC、DC (1.000 ~ 19.999)kV (20.000 ~ 40.000)kV	AC、DC (1.000 ~ 19.999)kV (20.000 ~ 50.000)kV
Measurement Accuracy	± (1% + 5 characters) Temperature 23°C ± 10°C				
Voltage Resolution	1V		≤20KV为1V > 20KV为10V		
Maximum Input Voltage	12KV	20kv	30kv	40kv	50kv
Display Method	4.5-digit seven-segment red digital tube				
Input Impedance	1000MΩ±2%				
Operating Environment	0°C ~ 40°C Relative Humidity: ≤80%				
Dimensions (DxWxH)	316*270*110mm			352*370*118mm	352*369*120mm
Accessories	Grounding wire RK26103, high voltage test wire RK26200, high			Grounding wire RK26103, high voltage test	
Weight	4kg			6.25kg	6.1kg

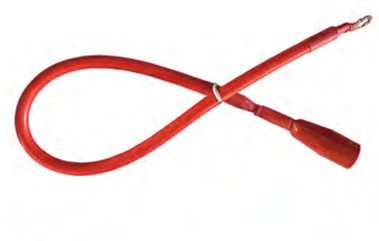
RK00033
Four-terminal measuring cable

RK00037
Four-terminal measuring cable

RK-200A-1
Internal resistance test fixture

RK00016
Double-ended BNC wire

RK26100
Programmable high voltage test line



RK26019
High voltage capacitor connection wire

RK26108
High voltage test cable

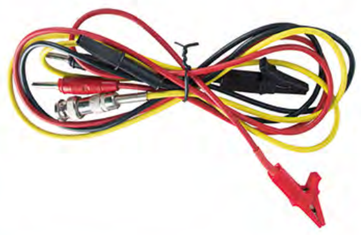
British Standard Power Cord

National standard power cord

RK0009 power cord

RK26006 Communication line

RK25002 Temperature sensor



RK26801 Insulation test lead

RK26016 Connecting wire

RK26018 Connecting wire

804003 Rotary dial indicator

1020149 General purpose probe

Test clamp

Red and black alligator clamps

Kelvin banana head test clip

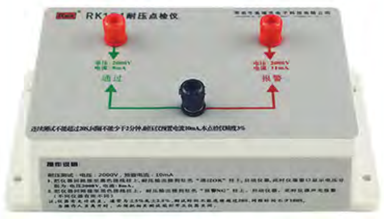
K-type temperature probe

P2000 Series Oscilloscope Probes

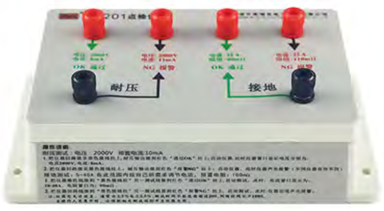
P4000 Series Oscilloscope Probes

TP02K type temperature probe

P6000 Series Oscilloscope Probes



RK101 Withstand Voltage Tester



RK201 Withstand Voltage Tester

RK301 Withstand Voltage Tester

RK401 Withstand Voltage Tester

RK501 Withstand Voltage Tester

RK8N+ Cross-shaped
Uncontrolled High-voltage Rod

RK8H+ Cross-shaped
Controlled High-voltage Rod

RK-16G
Remote High-voltage Test Gun

RK8N Straight-shaped
Uncontrolled High-voltage Rod

RK8H Straight-shaped
Controlled High-voltage Rod

RK26101
High-voltage Test Wire

RK00015
High-voltage Test Wire

RK26051-1 Programmable
High-voltage Test Rod

RK26103 Ground Test Wire

Discharge Rod

RK00006 USB to Square Port Wire

RK00003
RS232 to USB Connection Wire

Data Connection Wire

RK00031
USB to RS485 Serial Port Wire

Probe Ground Wire

European Standard Power Cord

RK26004A Low Resistance

RK-12 Ground Test Clip

RK26004-1 Bridge Test Clip

RK26010 Bridge Short Circuit

Banana Plug Temperature Probe

RK26004-2 Four-terminal Patch Clip

RK26009
Four-terminal Patch Clip Rack

RK26011
Four-terminal Test Clip Rack

RK26001
Bridge Four-terminal Test Socket

RK-8WD
8-channel Temperature Tester

RK26003C BNC Clip Wire

RK26104
Programmable Ground Wire

RK00019 Test Clip Wire

RK00027 Test Wire

RK26202 High-voltage Test Wire

RK26004B
Insulation Resistance Test Clip

RK00021 Microphone

RK00034 Temperature Probe

RK26003A

American Standard Power Cord

RK00013 Test Wire

RK00014 Test Wire

RK00017 Test Wire

RK00019 Test Wire


RK26101 High-voltage Test Wire


RK00015 High-voltage Test Wire


RK26051-1 Programmable High-voltage Test Rod


RK26103 Ground Test Wire


Discharge Rod


RK00023 Strap


RK00024 Spring


RK00025 Pull Explosion Hook

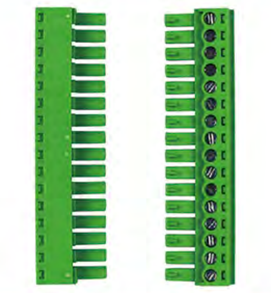

RK00026 Socket


RK00027 Connection Wire


RK00028 Power Cord Assembly


RK00035 HANDLER Interface Conversion


RK00040 Temperature Probe


RK00041 Channel Interface Conversion


RK00042 Test Wire


RK00043 Test Wire


RK00045 Test Wire


RK00046 Test Wire


RK00047 Test Wire


RK00048 Test Wire


RK00049 Test Wire


RK00050 Test Wire


RK00051 Test Wire


RK00052 Test Wire


RK00053 Test Wire


RK261156-1 Test Wire


1000:1,10kv High-voltage Probe


RK00124 Foot Switch