



Product advantages:

1. Small size and complete functions:

- a) Eight in one: grounding resistance, insulation resistance, AC/DC withstand voltage, dynamic/static leakage current, power, low-voltage start-up, arc detection and open-short circuit continuity test, all functions are available;
- b) Portable design: the size of the whole machine is 132×284×470 (mm), 3U height, 18Kg weight;
- c) 7-inch color touch screen, intuitive display and simple operation.

2. Fast test speed:

- a) Using advanced devices, the switching speed is less than 0.1S, the life is long, and the reliability is high;
- b) With parallel test function (ground + withstand voltage)
- c) It has various startup modes such as grounding guide and bar code, which saves pedal (key) action and improves efficiency;
- d) Multi-speed power automatic matching or power-off shifting test function, suitable for testing lamps, fans and other multi-speed power products.

3. High precision, wide range:

- a) The test accuracy of safety regulations is 1%, and the test accuracy of power class is 0.2%;
- b) Insulation resistance test voltage is 3000V (optional 6000V), and the test range is 100GΩ;
- c) Very small breakdown current and leakage current (10μA) can be accurately measured;
- d) Accurate measurement of low power (1W);

4. More compliant:

- a) Withstand voltage capacity 500VA (5KV/100mA, short-term 200mA peak value);
- b) The leakage current is tested by the true RMS value of 1MHz bandwidth, and there are 6 built-in human body networks;
- c) With DC withstand voltage and arc detection functions;
- d) The grounding resistance test current can be selected as 40A, which conforms to the new standard.

5. WiFi networking function:

- a) Through WiFi communication and host computer software, one computer can manage multiple instruments, monitor the test interface of each instrument, upload, store, export and analyze test data;
- b) The test data is cached locally, and after the disconnection is restored, the test data is automatically synchronized to the computer;
- c) With remote upgrade function after networking.

6. Easy to operate and use

- a) 7-inch color touch screen, index-type setting interface, easy to use and intuitive display;
- b) Built-in rich help information to facilitate operator training;
- c) There are two modes of administrator and tester. The administrator has preset parameter authority, and the tester only has permission to use and cannot change it;
- d) The instrument accessories use error-correcting connectors, which are easy to install and debug.

7. Easy to maintain

- a) Fault self-diagnosis function, automatic diagnosis report fault module;
- b) Modular design of functional circuit, easy and fast troubleshooting, and solve after-sales problems;
- c) The way of spare module can reduce the spare whole machine and save the investment cost.

8. Safer

- a) It has comprehensive protection functions such as ground wire detection, leakage and overcurrent;
- b) Residual power quick release function to ensure the safety of testers.

Technical Parameters

Name		Electrical safety comprehensive analyzer		
Model		JK7126		
Item	Technical index	Range	Resolution	Accuracy
AC withstand voltage test	Output voltage	300~5000VAC	1V	±(1% readings+5V)
	Output frequency	50/60Hz		
	Breakdown current	0~100.00mA, short time 200mA peak value	0.001mA/0.01mA	±(1% + 0.002mA)
	Ramp up time	0~999.9s	0.1s	±(1% + 0.1s)
	Slow down time	0~999.9s	0.1s	±(1% + 0.1s)
	Testing time	0.5~999.9s	0.1s	±(1% + 0.1s)
	Current compensation	0~99.999 mA	0.001mA/0.01mA	
	Arc detection	0~100.00mA	0.01mA	±5%

DC withstand voltage test	Output voltage	300~6000VDC	1V	±(1% readings+5V)
	Breakdown current	0~9.999mA	0.001mA	±(1% + 0.002mA)
	Ramp up time	0~999.9s	0.1s	±(1% + 0.1s)
	Slow down time	0~999.9s	0.1s	±(1% + 0.1s)
	Testing time	0.5~999.9s	0.1s	±(1% + 0.1s)
Insulation resistance test	Output voltage	300~3000V	1V	±(1%readings+ 5V)
	Insulation resistance	0.5M~999GΩ	0.01M/0.1M/1M/10M/ 100M/1G	0.60M~9.99M ±(1% readings+0.03M) 10.0MΩ~99.9MΩ ±(3% readings+0.3M) 100MΩ~9999MΩ ±(5% readings+3M) 10.0GΩ~100GΩ ±(15% readings+ 0.8G)
	Ramp up time	0~999.9s	0.1s	±(1% + 0.1s)
	Slow down time	0~999.9s	0.1s	±(1% + 0.1s)
	Testing time	0.5~999.9s	0.1s	±(1% + 0.1s)
	Delay Time	0~999.9s	0.1s	±(1% + 0.1s)
	Ground resistance test	Output current	1.0~32.0A (Optional 42A)	0.1A
Output Frequency		50/60Hz		
Ground resistance		10~600.0mΩ (Voltage not exceeding 12V)	0.1 mΩ	±(1% readings+2.0m Ω)
Resistance compensation		0~600.0mΩ	0.1 mΩ	±(1% readings+2.0m Ω)
Testing time		0.5~999.9s	0.1s	±(1% + 0.1s)
Leakage current test	Output voltage	30.0~300.0V	0.1V	±(0.2% readings+0.5V)
	Output current	16.000A	0.001A	±(0.2% + 0.01A)
	Leakage current	0.0050~12.000mA	0.0001/0.001 mA	±(1% + 3uA)
	Testing time	1.0~999.9s	0.1s	±(1% + 0.1s)
	Human Network	6 kinds		
	Current compensation	0.0050~12.000mA	0.0001/0.001 mA	±(1% + 3uA)
Power test	Voltage	30.0~300.0V	0.1V	±(0.2% readings+0.5V)
	Current	16.000A	0.001A	±(0.2% + 0.01A)
	Power	3500W	0.1W/1W	±(0.3% + 4.0W)
	Testing time	0.5~999.9s	0.1s	±(1% + 0.1s)
Low voltage start test	Voltage	30.0~300.0V	0.1V	±(0.2% readings+0.5V)
	Current	16.000A	0.001A	±(0.2% + 0.01A)
	Power	3500W (Determined by built-in power supply)	0.1W/1W	±(0.3% + 4.0W)
	Testing time	0.5~999.9s	0.1s	±(1% + 0.1s)

Parallel test	Standard	Ground + Withstand voltage		
	Optional	Ground + power, withstand voltage + power, ground + withstand voltage + power		
Power supply types	Built-in power supply	no		
	External power supply	Optional		
Control and interface	PLC switching value	Pass, fail, test		
	RS232	Standard		
	WiFi function	Standard		
	USB	no		
	LAN network interface	no		
Accessories	Name	Unit / Quantity		Remarks
	Product Manual	pc	1	
	Foot switch	set	1	Installed
	Warning light	set	1	Installed
	Power cable	pc	1	
	Test Fixture	set	1	Installed
	Certificate of conformity	pc	1	
	Built-in inspection tooling	set	1	Optional