

JK5530/JK5530+/JK5530B Battery Comprehensive Tester



JK5530/JK5530+



JK5530B

Product introduction

In response to the production and testing needs of these rechargeable batteries, Our company has developed a special comprehensive rechargeable battery tester. This tester can make a quantitative and accurate measurement of some basic parameters of the battery, and can measure the open circuit voltage of the battery. Resistance, charge, discharge performance, battery capacity, especially for lithium battery functions, such as overcharge protection, over discharge protection, over current protection, short circuit protection and other functions, and the corresponding values have been measured, which greatly facilitates battery production Work with pre-sales and after-sales services, you can intuitively judge the performance and quality of the battery in a few simple steps, and also have a quick screening function, you can set the upper and lower limits of the measurement parameters, you can easily from a batch Defective batteries are quickly detected in the finished battery to improve production efficiency. In addition, some special functions are added to make it have some characteristics of general instruments and equipment, which expands the flexibility of the equipment and has the characteristics of a wide range of applications.

Basic functions:

1. Quick detection of battery static parameters
 - 1.1 Battery voltage detection (for lithium batteries that are already in the protected state, it can automatically wake up)
 - 1.2 Detection of battery internal resistance
 - 1.3 Battery rechargeability performance test
 - 1.4 Battery discharge performance test
 - 1.5 Battery overcurrent detection (only for lithium batteries)
 - 1.6 Detection of battery short-circuit protection function (only for lithium batteries)
 - 1.7 For the part that can detect the size of the value above, you can set the upper limit and lower limit separately to quickly filter
2. Battery capacity detection
3. Separately selectable battery charging function
4. Separately selectable battery discharge function
5. CNC current and voltage source function
6. CNC electronic load function
7. Voltage and internal resistance meter function
8. Parameter list test

Model		JK5530	JK5530+	JK5530B
Test range	Voltage measurement range	0-36V, resolution:1mV accuracy:±30mV	0-60V resolution:1mV accuracy:±30mV	0-62V resolution 1mV accuracy: ±5mV
	Internal resistance measurement range	0-1999mΩ Resolution 1mΩ		
	Capacity measurement range	0-99999mAH,Minimum resolution 1mAH		
	R1 R2 resistance	1kΩ ~ 200kΩ		
Accuracy	Voltage measurement accuracy	± (result*0.1%+3mV) (voltage 0~36V) ± (result*0.1%+30mV) (voltage 37~60V)		
	Current measurement accuracy	± (result*0.2%+30mA) (current 0~10A) ± (result*0.5%+30mA) (current 11~30A)		
	Internal resistance measurement accuracy	± (result*1%+1mΩ)		
	Capacity measurement accuracy	±2%		
Test speed	Static test (All functions)	1.1-2s		
	Capacity test	Determine the capacity test time according to the battery capacity and discharge power		
Internal CNC	Maximum output voltage(Constant voltage + constant current)	20V		60V
Voltage source index	Output maximum current	5A		10A(common)
	Output maximum power	80W		200 W
	Ripple voltage	<20mV		<100mV
	Load adjustment rate	<10%		
	Response time (time from 0 to the highest output voltage)	1S		
Internal CNC electronic load index	Maximum discharge voltage	30V	62 V	
	Maximum discharge current	10A (continuous)	30A (continuous)	
	Limit power	80W (continuous)	100W (continuous)	200W (continuous)
	Load mode	constant current		Constant voltage, constant current
Interface		No	Yes (with host computer software)	
Accessories		Test fixture for resistance, Test fixture for voltage, Temperature probe, Power cable, Data line (JK5530+,JK5530B)		
Size&Weight	JK5530/JK5530+ JK5530B	Dimension(mm):225(W)*110(H)*355(D), About 3.6kg Dimension(mm):225(W)*110(H)*405(D), About 4.5kg		