

STB5523/STB5523A Battery Tester

- Multiple test functions
 - 4-terminal test, the test can't be influenced by impedance of test leads.
 - Contact inspection, to inspect the contact of test leads in testing
 - Deviation deduction (rel) and reference operation, eliminate the influence of base to test result.
- Feature of battery tester
 - Basic impedance accuracy: 0.1%
 - Basic voltage accuracy: 0.1%
 - Min. resolution of impedance:1uΩ
 - Min. resolution of voltage:100uV
 - Max. test speed 50 times/s
 - 1kHz AC constant current source test
- R, V, L, Z, θ test
- 24 bit color 4.3 inch LCD display
- LCD resolution 480×272
- Direct and Δ% display
- V, I test signal level monitor function
- Graphic scanning and analysis
- 10 bin compare, High limit, low limit, pass and alarm function
- Statistics, like CpK, Cp.etc
- 100 groups of file for storage and load
- Information in screen stored in U disk.
- Automatic update through USB HOST
- Chinese-English operation system selectable
- Foot switch trigger function



RS232	USB HOST	USB DEVICE	HANDLER	GPIB
standard	standard	standard	standard	option

STB5523/A

Rack mount (mm): 215(W)×88(H)×335(D)
Dimension (mm): 235(W)×105(H)×360(D)
Weight: 3.6kg

Application

- Fast test for button battery and battery pack .etc.
- For cell phone, home appliances, electric vehicle and bike .etc.
- For high voltage battery test
- For early battery R&D test
- Contact resistance test
- Degradation and lifetime - evaluation of battery
- UPS on-line test
- ESR test of super capacitor

Specifications

Model		STB5523	STB5523A
Display	Displayer	4.3 inch 480x272 24 bit color TFT display	
	Displayed digit	R: slow 5 digits, Max. displayed digit 35000; fast, Max. displayed digit 3500 V: slow 5 digit, Max. displayed digit 35000; fast, Max. displayed digit 3500	
Parameter		R, V, R-V, Z-θ°, Z-θr, L-Q, L-R, R-X, R-Q	
Basic accuracy		R: 0.1%, V: 0.05%	
Test signal source	Frequency	1kHz ±0.2Hz sine waveform	
	Constance current	100mA/10mA/1mA/100uA/10uA	
Display range	R/ Z/ X	1uΩ—3.5kΩ	
	DC V	100uV—65V	100uV—350V
	L	0.2nH-1H	
	Q	0.001—9999.9	
	θd(deg)	-179.99—179.99	
	θd(rad)	-3.1416—3.1416	
Mathematics		Direct, ΔABS, Δ%	
Range	AC R	30mΩ/300mΩ/3Ω/30Ω/300Ω/3kΩ	
	DC V	6V/60V	30V/300V
Max. input voltage		65V	350V
Test speed(time/s)		FAST: 50 times/s ; MED: 10 times/s SLOW1: 5 times/s; SLOW2: 3 times/s	
Comparator		10 bins	
Range mode		Auto, hold	
Trigger mode		Internal, manual, external, bus	
Operation mode		Test leads contact inspection; DUT I/V monitor; REL; short "0" ; 1-255 average; delay setting; graphic analysis and scanning; USB storage; Max.100 groups of file save/load; Statistics of Max.30000 of data	
General specification			
Operating environment	Temperature	0°C -40°C	
	Humidity	≤90%RH	
Power supply	Voltage	100V-120V , 198V-242V	
	Frequency	47Hz - 63Hz	
Power consumption		Max.15AV	