



# ISBA-5220A Battery Analyzer

**DADI Telecom**

**Professional Communication Tester Manufacturer from China**



ISBA-5220A Battery Analyzer is the most powerful handheld storage battery tester. It is a multi-purpose resistance tester and ohm meter with the most complete functions, which can test all kinds of battery like 2V, 4V, 6V, 8V, 12V, 24V, 48V. It can also test resistance of conductor and metal connector, and resistance measurement resolution reaches  $1\mu\Omega$ .

ISBA-5220A adapts VLSI and powerful microprocessor, and can do the data exchange with RS232 and RJ45 port. Meanwhile, it adapts the large screen colorful LCD, and can do the analysis, display and report for test data. It is an indispensable tool for network operators and power department etc.

## □ Functions

- Storage battery resistance testing: automatically switch within the test range  $1\mu\Omega$ -- $400\Omega$ , and resistance measurement resolution reaches  $1\mu\Omega$ .
- Conductance testing for pure conductor and the battery connecting unit, conductance, i.e. reciprocal of resistance.
- Support remote control through RS232 and RJ45 port, and transmit the test data to the remote end to analyze and store.
- Record the charge and discharge capacity of battery string, it is an ideal tool for researching and analyzing the battery functions and efficiency.
- Permanent storage of 10000 groups battery parameters, and each string includes 500 batteries at most.
- Test result can be compared with the comparator data directly, and support permanently 1000 types of battery comparator data.
- Automatically establish the test data for the single cell and battery string which enormously facilitate to generate the record of battery string with multiple single cells, no matter battery string with 24 or with 108 single cells.
- Directly generate and display the battery string single cell test report and distribution curve graph.



## Features

- Test variety of batteries and conductor resistance, including dry battery, Li-ion battery and special battery
- Various types of battery testing, including 2V, 4V, 6V, 8V, 12V, 24V, 48V, voltage testing range 0-60V  
Various test modes, single testing and auto real-time testing
- Keyboard operation, 3.5" TFT LCD color with backlight, and support multilingual display
- Built-in chargeable Li-ion battery, more than 5 hours operation time.
- Large data storage capacity, more than 100,000 records



## Applications

### Battery resistance testing and remote control



### Track changes in battery resistance and battery deterioration trend

BatteryManage 5220A

File Configure DeviceAct Help

HistoryRecord DeviceParameters DeviceAct Communication

CreateTime	Index	TestName	Remark
2011-09-06 16:10:29	1	xxxx	xxxx

Refresh  
Type  
Delete  
Print  
Export (.xls)

Detail Test Data List:

Index	TestTime	Type	VOL(V)	Inner Res (Ohm)	Cap(Ohm)	CapResult	CAP	ProcCap
0	2011-09-06 15:44:25	IntTest	0	2.900	.....	.....	.....	.....
1	2011-09-06 15:44:45	IntTest	0	3.160	.....	.....	.....	.....
2	2011-09-06 15:44:55	IntTest	0	3.900	.....	.....	.....	.....
3	2011-09-06 15:45:12	IntTest	0	39.000	.....	.....	.....	.....
4	2011-09-06 15:45:24	IntTest	0	0.000	.....	.....	.....	.....
5	2011-09-06 15:45:33	IntTest	0	29.000	.....	.....	.....	.....
6	2011-09-06 15:45:54	IntTest	0	301.700	.....	.....	.....	.....
7	2011-09-06 15:46:04	IntTest	0	3602.000	.....	.....	.....	.....
8	2011-09-06 15:46:18	IntTest	0	290.000	.....	.....	.....	.....
9	2011-09-06 15:46:33	IntTest	0	36010.000	.....	.....	.....	.....
10	2011-09-06 15:46:39	IntTest	0	29020.000	.....	.....	.....	.....

Truncating Ready...

BatteryManage 5220A

File Configure DeviceAct Help

HistoryRecord DeviceParameters DeviceAct Communication

Communication Modes:  Serial Port  Ethernet Port

Test Device Parameters

IP Address: 10.1.92.141 VOL Type: 12V Ref Std: Ah

Bus MODE: 255 255 255 0 Battery Type: ACID Capacity(Ah): 45

Port: 6000

SaveParameters  
SetParameters  
SyncDevClock

Compare Parameters List

Index	VolRes (V)	VolRes(V)	IntRes (Ohm)	IntRes (Ohm)	Vol(V)
1	15.200	12.400	9.250	8.100	ResVal: 4.900
2	15.270	12.470	9.250	8.300	ResVal: 4.850
3	15.320	12.500	9.280	8.500	ResVal: 12.850
4	15.370	12.530	9.310	8.700	ResVal: 12.350
5	15.410	12.560	9.340	8.900	
6	15.470	12.580	9.370	9.100	
7	15.330	12.620	9.400	9.300	
8	15.370	12.660	9.400	9.500	
9	12.000	11.000	12.000	10.000	
10	20.000	19.000	10.000	12.000	
11	2.320	1.870	3.580	1.250	
12	1.850	4.400	1.210	0.580	
13	0.000	0.000	3.540	2.580	
14	4.580	4.850	12.850	12.350	

SaveToDatabase  
AddToDatabase  
DeleteFromDatabase  
SetDevCapParameters

Truncating Ready...

## □ Specifications

General	
Size	190×108×50 mm
Weight	1Kg
Display	3.5" TFT LCD color, 320X240, backlight
Operation method	Keyboard
Communication interface	RS232, RJ45, DC power
Battery	Built-in rechargeable Li-ion battery, 4400mAh
Operation time	5 hours
Data storage	100,000 records
Operation temperature	-10°C to 50°C
Storage temperature	-20°C to 70°C
Operation humidity	10% to 90%
Storage humidity	5% to 95%

Testing	
Capacity testing range	5-6000AH
Resistance Measurement	Range: 1μΩ to 400Ω Resolution: 0.001mΩ Accuracy: ±1.0%rdg. ±8dgt.
Voltage Measurement	Range: DC 0V to ±60V Resolution: 0.001V Accuracy: ±0.1%rdg. ±6dgt.



For more information: [www.lzdd.com](http://www.lzdd.com) or [lzdd@lzdd.com](mailto:lzdd@lzdd.com)

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