

SAT-AR

Battery Internal Resistance Tester



Internationally, resistance test is widely applied in daily battery maintenance instead of voltage check, because resistance is the important parameter to test battery quickly and accurately worldwide.

SAT-AR Storage battery internal resistance tester is digital storage and multifunction test equipment which can quickly and accurately measure the battery running status .it can show and record multi-group battery voltage、 resistance etc. and also precisely judge battery's condition(Good or Bad) with data analyzing software.

Function

- 1.Test the battery voltage and internal resistance online.
- 2.Battery internal resistance and voltage out of gauge alarm.
- 3.All the battery parameter is marked group No. to make the user manage the data conveniently.
- 4.PC software analysis the battery according to the history data.

Technical indicator

Model	SAT-AR01	SAT-AR02	SAT-AR03
Testing range	0.000~20.000V internal resistance&voltage 20.000~25.000V voltage only		0.00~16.00V internal resistance&voltage 16.00~20.00V voltage only
Testing voltage precision	±0.2%rdg ±6dgt		±1%rdg ±2dgt
Testing internal resistance range	0.000m Ω -99.999m Ω		0.00m Ω -99.99m Ω
Testing internal resistance precision	±0.5%rdg ±6dgt		
Communication mode	SD card		
Display	320 x 240 LCD		
Power supply	10.8V,2000mAh, Rechargeable Lithium battery		
Size	280 x 105 x 83 mm		
N.W	1.2kg		

REMARK: SAT-AR02 and SAT-AR03 do not have parameter setups of Floating Voltage, Floating Current, Ripple Voltage, Battery Temperature.

Key Features

- ◎ High precision online testing, automatically switch the testing range between 0.000m Ω -99.999m Ω
- ◎ Great data storage capacity, 999 groups of test results (Max. 500 cell battery per group), 200 groups of setting parameter.
- ◎ English Menu, 320×240 LCD Display.
- ◎ SD card can save data, and export data to PC to analysis the battery according to the history data.
- ◎ Enhanced over pressure protecting function.
- ◎ Self recovery the over current protecting function.
- ◎ Use the SOC chip to improve the tester stability.
- ◎ Big capacity Lithium cell and AC 100V-240V power supply
- ◎ Low battery indication.
- ◎ Smart and portable, one person can finish all test, good at saving time and cost.
- ◎ Automatic testing mode make user to test expediently.
- ◎ Powerful PC software for manage the testing data.
 - 1.Automatically analysis battery “bad” state.
 - 2.Building the history record base, describe the battery sate curve.
 - 3.Batteries contrastive analysis in the same battery pack.
 - 4.All batteries are administrated by different levels(excellent, good, medium, bad)