

Battery Tester/ACR Tester

Comprehensive Battery Tester TB-3570 Series

Product description:

TB-3570 series is a high-precision, wide-range, high-performance microprocessor-controlled battery comprehensive tester. It adopts the latest battery testing technology and industrial design with beautiful appearance, powerful functions, fast and stable testing. Tester can automatically complete the programming test through multi-mode programming test and one station can complete the test of multiple stations before, which improves the test efficiency. Rich interfaces and communication protocols meet the installation requirements of automation equipment and after a variety of harsh EMC electromagnetic interference experiments, it is guaranteed that the instrument can calmly cope with various industrial field tests.



TB-3570/A



Features

- Adopt ARM high-speed sampling control, high test accuracy and fast response speed; the accuracy and test range of voltage, current and internal resistance all surpass similar products, providing higher standards for product testing.
- Integrates all functions of DC power supply, DC electronic load and AC internal resistance meter.
- It can test the battery's AC internal resistance as well as the battery's DC internal resistance, meeting different types of internal resistance testing requirements.
- The internal resistance range is 30mΩ~3Ω, the minimum resolution is 1μΩ, and the maximum display is 31000; the voltage range is 6V~30V, the minimum resolution is 0.1mV, and the maximum display is 60000.
- Comprehensive test functions: battery activation, voltage internal resistance, charge test, overcharge test, DC internal resistance, discharge test, over discharge test, short circuit test, recovery test, resistance R1/R2, I2C voltage, I2C communication..
- Large LCD display, richer content and clearer display.
- With standard RS232 interface, LAN communication port, standard SCPI communication protocol, it can meet needs of customers in automated testing.

Specifications

Ordering Informations

TB-3570 : Comprehensive Battery Tester

TB-3570A : High-comprehensive Battery Tester

Model		TB-3570	TB-3570A
Display		4.3 inch with Big LCD display	
Test Parameters		DC Power supply, DC Load, AC Internal resistance	
Battery Internal Resistance Range	Battery Voltage Measurement Range	0 ~ 30V, Accuracy : ±0.05%rdg.±6dgt	
	AC Internal Resistance Test Range	Range 30mΩ : 0.001mΩ ~ 30.000mΩ ; Minimum resolution 0.001mΩ, Accuracy : 0.3%	
		Range 300mΩ : 0.01mΩ ~ 300.00mΩ ; Minimum resolution 0.01mΩ, Accuracy : 0.3%	
		Range 3000mΩ : 0.01mΩ ~ 3000.0mΩ ; Minimum resolution 0.1mΩ, Accuracy : 0.3%	
Specify resistance measurement range	Capacity test range	0.1kΩ ~ 999.9kΩ Minimum reading resolution 0.1kΩ	
		0 ~ 99999mAH Minimum reading resolution 1mAH	
Test Speed	Static test	Test all functions: 1.1 ~ 2 seconds	
	IC capacity test Charge-discharge current	3 ~ 4 hours	
Measurement Accuracy	Voltage measurement accuracy	±0.05%rdg.±6dgt.	
	Current measurement accuracy	0 ~ 2.999A, Accuracy: ±0.3%rdg.±6dgt.	3.000 ~ 15.000A Accuracy: ±0.3%rdg.±6dgt.
	AC resistance measurement accuracy	±0.3%rdg.±6dgt.	
	Resistance specify measurement accuracy	±0.3%	
	Battery capacity measurement accuracy	±2%	
Internal Digital Power Supply Index	Maximum output voltage	20V (±0.3%rdg.±6dgt)	24V (±0.3%rdg.±6dgt)
	Maximum output current	5A (±0.3%rdg.±6dgt)	15A (±0.3%rdg.±6dgt)
	Ripple voltage	<100mV	<300mV
	Load regulation	<1	
Internal Digital Load Index	Maximum voltage value	30V (±0.05%rdg.±6dgt)	
	Maximum current value	20V (±0.3%rdg.±6dgt)	24V (±0.3%rdg.±6dgt)
	Overcurrent measurement range	5A (±0.3%rdg.±6dgt)	15A (±0.3%rdg.±6dgt)
	Maximum power value	<100mV <300mV	
	DC resistance range	0~1000mΩ (±0.5%rdg.±6dgt)	
Temperature Measurement	Range	-10 ~ 60°C	
	Accuracy	1°C	
Interface		RS232, Ethernet (LAN), I/O port	
Power Input		198V ~ 250V AC, 50Hz/60Hz	
Dimension (LxWxD)		331mm x 329mm x 90mm	
Weight		4 kg.	5.5 kg.