

BT-9562 High Precision Battery Impedance Tester

Single Tester
(Image for reference only)



Dimension

W220mm × H80mm × D300mm

Weight

2.5kg

Clamp Selection

☐ Probe by default



☐ alligator clips
weld at the end



Electrical Performance

Items

Values

Input AC

AC 220V/110V ±10% / 50Hz

Input power

45VA

Test Content

Internal resistance
Voltage
Reactance
Complex impedance
Impedance phase angle

Test Method

AC 4-terminal method (1kHz ±0.02Hz)

Rated Voltage

Rated Input voltage: DC ± 60V

Maximum Rated Voltage to ground: DC ± 70V

Input Impedance		200kΩ			
Record Frequency		1~50PLC (50Hz,1PLC=20ms; 60Hz,1PLC=16.67ms)			
Trigger Source		Internal / External			
Trigger Delay		0~9.999s			
Average Filter		1~16 times			
Arithmetic Function		Total data Number of valid data Maximum value Minimum value Average value Standard deviation Main standard deviation Cp, CpK (engineering capability index)			
External Port		100M Ethernet, RS-232C, USB			
External I/O		2 inputs (for trigger input) 4 outputs (for battery sorting)			
Measurement Storage		1,000,000 sets			
Parameter Reading and Saving		1,000 sets of comparator settings			
Additional Functions		Over-range display Measurement abnormality detection Self-calibration Key lock			
Impedance Measurement (0~3Ω)	Test Range	Dispaly Range	Resolution	Test Current	Accuracy
	3mΩ	-3.3~3.3mΩ	0.1μΩ	250mA	± 0.4%
	30mΩ	-33~33mΩ	1μΩ	100mA	± 0.3%
	300mΩ	-330~330mΩ	10μΩ	10mA	± 0.3%
	3Ω	-3.3~3.3Ω	0.1mΩ	1mA	± 0.3%
Phase	Dispaly Range		Resolution		
	-180° ~ 180°		0.01°		
Voltage Measurement	Test Range	Dispaly Range	Resolution		Accuracy
	6V	-6.6~6.6V	10μV		± 0.01%
	60V	-66~66V	100μV		± 0.01%
Operation and storage environment requirement					
Items		Values			
Operationenvironment temperature		0~40°C (Limiting temperature) 23±5°C (Guaranteed accuracy)			
Storage environmenttemperature		-10~50°C			
Operation environment humidity		≤80% RH (no moisture condensation)			