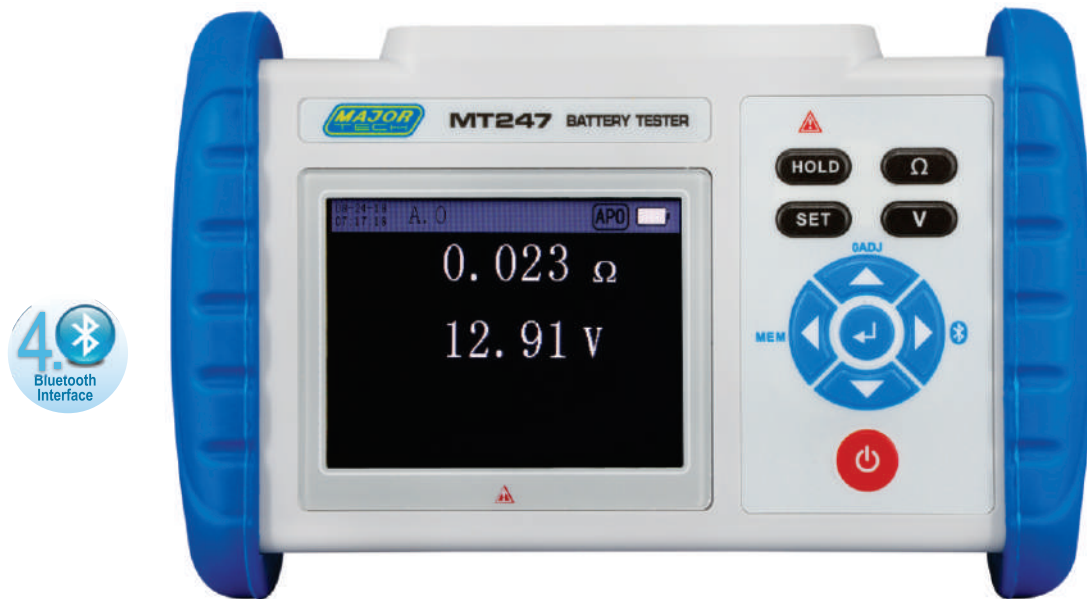




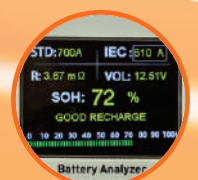
# MT247 Battery Resistance Tester

The MT247 is a rechargeable battery internal resistance tester. Simultaneously measuring voltage and temperature of rechargeable batteries such as lead storage batteries, GEL batteries and lithium batteries to determine the health of the battery. It can also be used to measure the ESR parameters of electrolytic capacitors (for reference only). The meter is not affected by the contact resistance between the test wire, terminal and battery electrode. It also has the functions for data storage, data access, alarm and automatic shutdown. The MT247 is a reliable tester with a stable performance. It has a wide measuring range, high resolution and accuracy. The compactness of the meter ensures it is easy to carry to any site, and is an indispensable instrument for battery production, battery installation, equipment production, equipment maintenance and other scenarios. Stored data can be transferred to a PC using an optical USB and software supplied.



## Features

- Used to measure the internal resistance, voltage and temperature of Lead-acid batteries, Gel Batteries, Lithium batteries and other batteries
- AC injection method measurement
- Large capacity lithium battery charging
- USB interface for linking to computer
- Bluetooth function allows connection to mobile phones
- Pre-set PASS, WARNING, FAIL judgement thresholds



320x240 pixel, 16-bit true colour LCD



Adjustable Tilt stand



Easy to Identifiable input terminals

Function	Range	Resolution	Accuracy
Resistance	3mΩ	1uΩ	±(1% fs. ± 20)
	30mΩ	10uΩ	
	300mΩ	100uΩ	
DC Voltage	3Ω	1mΩ	±(0.5% fs. ± 15)
	7V	10mV	
Temperature	70V	10mV	±(0.2% fs. ±10)
	-10°C to 60°C		
Measuring Method	Internal Resistance		
Measuring current	1KHz (AC 4-terminal test method, open-circuit terminal voltage 3V max)		
Temperature	2.0mA to 200mA (different measuring currents in different ranges)		
A/D Conversion Method	NTC temperature sensor (10KΩ at 26°C)		
LCD Update Frequency	Successive approximation type		
Response Time	5 times/second		
Measuring Time	200ms		
Hold & Store	About 2 seconds		
Measurement Judgement	Manual retention & storage, automatic retention and storage		
Batteries	Pre-set PASS, WARNING, FAIL judgment thresholds		
Dimensions	3.7V Lithium Rechargeable Batteries		
Weight	190 x 121 x 51mm		
	480g		

## MT247 | Battery Internal Resistance Tester

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