



**西安欧瑞电器技术有限公司**  
OREN ELECTRICAL TECHNOLOGY CO., LTD.

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## Battery Conductance Tester



Battery Conductance Tester is a multi-function and portable instrument, which can test battery running condition and parameters quickly and precisely. It can display and record many key parameters for multi battery string and battery cell's voltage, conductance, connecting strip resistance, battery's internal resistance and so on; From these parameters, can know the battery condition is in good or bad. which can connect with PC, use professional analysis software to make the format to record and follow up the battery condition change , so that technical and management person to know in advance, then they can do maintenance work for battery.

## Main functions and features

### Ø Main Functions

- Test the battery voltage, conductance and connecting strip resistance online.
- Battery Conductance and Voltage out of range alarm.
- Battery parameters are marked by group No. to data management expediently.
- PC analysis software to realize record and follow up battery condition.

### Ø Key Features

- (1) High precision online testing, full automatically switch the testing range, large data storage
- (2)Automatically range switching between testing range 0.000-19990S
- (3) Storage 999 group testing data ( each group 999 battery ;
- (4) Storage 500 groups battery setting parameters
- (5) battery capacity testing range : 5AH-6000AH



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- 5 inch color touch LCD screen
  - Display the graph and bar charts analysis function
  - Battery capacity analysis function, do the excellent, good, bad analysis
  - Oscilloscope function: indicate the highest, lowest and average voltage , count the voltage wave
  - Transmit the testing data to PC to carry out analysis of battery according to the history data.
  - Strong data management function, do not connect with PC, can use
  - Enhanced over voltage protecting function.
  - Automatically recovery the over current protecting function.
  - Use the SOC chip to improve the tester stability.
  - Large capacity Lithium and power adapter to ensure the power supply
  - Low battery indication to guarantee test precision
  - Small volume, light weight
  - Automatic testing mode, for user convenience
- (1) Automatically analyze and judge the battery condition
  - (2) Building the history database, describe the battery life span curve.
  - (3) Contrastive analyzing for each battery cell within the same battery string.
  - (4) All batteries are administrated by different SOH (excellent, good, medium and bad)



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## Specification

MODEL	OR-20
Testing Range	Conductance : 20~19,990S Voltage 0.000v--25v
Measurement Resolution	Conductance: 1S Voltage: 1mV
Measurement Precision	Conductance: $\pm 0.5\%$ rdg $\pm 6$ dgt Voltage: $\pm 0.2\%$ rdg $\pm 6$ dgt
Power Supply	11.1V,2400mAh, rechargeable lithium battery
Battery Life	Work for 8 hours continuously
Storage Capacity	64Mbit Flash+ 4GSD
Display	5 Inch color touch LCD screen
Size	220 x 170 x 52mm
Weight	1.1Kg
Humidity	90% RH

## Packing list

No.	Items	Qty
1	Battery Conductance Tester	1 unit
2	Operation manual	1 unit
3	Product Certification	1 unit
4	Packing list	1 unit
5	rechargeable battery	1 unit
6	Power supply adapter	1 unit
7	Measuring line	1 unit
8	CD	1 unit
9	SD card	1 unit
10	SD card reader	1 unit
11	Carry bag	1 unit

