

HT3563 series Battery Testers



OVERVIEW

HT3563 series battery testers are designed for the new measurement requirements of the battery industry. They are special for measurement use in low-resistance batteries, large-scale lithium battery packs and fast product sorting in production lines.

The HT3563 series is capable of simultaneously checking internal resistance (IR) and battery voltage (OCV) at high speed. The product has high resolution, good stability, short test cycle, exquisite appearance, powerful function and various types of interfaces, which make it suitable for product development and automation production line.

With the technology advantage of Hopetech in battery internal resistance testing for many years, HT3563 series are able to offer a high resolution of 0.1uΩ and minimum resolution of 10uV.

FEATURES

- The HT3563 series and HT3564 have the same appearance and size, only their test voltage is different.
- Resistance minimum resolution 0.1uΩ, minimum voltage resolution 10uV
- Minimum test cycle only 10mS
- The maximum test voltage up to 1000V (HT3564 only)
- Standard various interfaces for automatic test equipment
- Strong anti-interference ability
- AC four-terminal method, measure low-resistance in high-precision
- Available automatic test function

SPECIFICATION

| Model | HT3563 | HT3563A | HT3563B | HT3564 |
|------------------------|---|-----------|-----------|-----------|
| Display | 3.5 inch TFT-LCD display | | | |
| Measurement parameters | ACR,DCV | | | |
| Resistance | Accuracy | 0.30% | | |
| | Range | 0.1μΩ~3kΩ | | |
| Voltage | Accuracy | 0.01% | | |
| | Range | 10μV~60V | 10μV~300V | 10μV~800V |
| Signal Source | Measurement current frequency:1kHz; Open circuit voltage:<5V; Test current:<100mA | | | |
| Range | different ranges-3mΩ,30mΩ,300mΩ,3Ω,30Ω,300Ω,3KΩ;Auto and manual modes are available in each range | | | |
| Measuring speed | 100 meas/sec.,50 meas/sec.,20 meas/sec., 3 meas/sec. | | | |
| Calibration | Short-circuit reset for all ranges; | | | |
| Comparator | 30 sets of data records, 4 bins sorting, bin count | | | |
| Others | data/report save, USB disk export, | | | |
| Trigger mode | Internal/manual/external/bus trigger | | | |
| Interface | RS-232/485, Handle (PLC interface), USB, Ethernet | | | |
| Power supply | Voltage: 100VAC~256VAC; Frequency: 50Hz~60Hz; | | | |
| Power(max) | 15VA | | | |
| Dimension(L*W*D) | 325 mm*215 mm*96.5 mm | | | |
| Weight | 3 kg | | | |
| Standard accessories | HT9363A test clip, HT9800 communication cable,PB36 connector, power cord | | | |

HT3563/3563A

Multi-channel Battery Tester



OVERVIEW

The HT3563/A-12H/24H multi-channel battery tester can quickly complete the internal resistance and voltage sorting test of the maximum 24-channel battery. Based on the identical test circuit of the classic HT3563, the test speed and accuracy of this device are in leading position of the industry. They are the ideal supporting tool for automated test manufacturers.

FEATURES



HT3563 series instrument comes standard with RS232/RS485/LAN and I/O interface, especially suitable for supporting automatic equipment to complete automatic test.



- Standard interface for automatic test equipment
- Strong anti-interference ability,
- AC four-terminal method, high-precision measure low-resistance
- Automatic test function
- High resolution and good stability
- High resolution 0.1uΩ
- Maximum test voltage up to 300V



The HT3563 and CHT3563A multi-channel resistance tester can be used for both single-channel test and multi-channel test; They support single-card 12-channel in four-terminal test and max of 24-channel test

Specification selection table

| Model | Channel | Application | Performance characteristics |
|--------------|------------|-------------|--|
| CHT3563 | Single | General use | Single test for all sizes of batteries |
| HT3563/A-12H | 12-channel | MOSFT | Single cell battery |
| | | Relay | Battery pack in series |
| HT3563/A-24H | 24-channel | MOSFT | Single cell battery |
| | | Relay | Battery pack in series |