

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 0.1 $\mu\Omega$ and minimum resolution of 10 μV .

FEATURES

- The HT3563 series and HT3564 have the same appearance and size, only their test voltage is different.
- Resistance minimum resolution 0.1 $\mu\Omega$, minimum voltage resolution 10 μV
- 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	0.1 $\mu\Omega$ ~3k Ω		
Voltage	Accuracy	0.01%		
	Range	10 μV ~60V	10 μV -300V	10 μV -800V
Signal Source	Measurement current frequency:1kHz; Open circuit voltage:<5V; Test current:<100mA			
Range	different ranges-3m Ω ,30m Ω ,300m Ω ,3 Ω ,30 Ω ,300 Ω ,3K Ω ;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



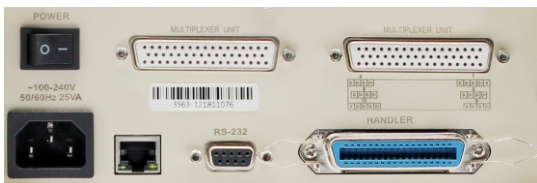
OVERVIEW

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.



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



- 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

Specification selection table

Model	Channel	Application	Performance characteristics
HT3563	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