

# HP3561 NEW Battery Tester



## OVERVIEW

The HP3561 high speed battery tester is designed for new measurement requirements in the battery industry. It is suitable for low resistance batteries, high capacity lithium battery packs and fast product sorting on the production line. With the technical advantages of Hope Electronic Technology in battery resistance measurement for many years, HP3561 is capable of providing a high resolution of 0.01 mΩ with maximum test voltage of 20V and minimum feedback time of 15mS. Equipped with standard features RS232 and HANDLER interface, HP3561 offers the automatic battery measurement function.

## FEATURES

- High-speed sampling test with a minimum feedback time of 15ms for fast sorting on the production line
- The highest test voltage reaches 20V, which is used for performance test of battery pack
- High resolution in resistance and voltage
- Strong anti-interference ability
- Support U disk to export data
- Maximum test speed 66 times / sec

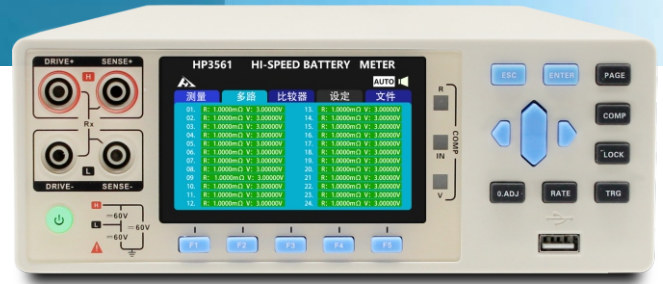
## APPLICATION

- High precision lithium battery internal resistance, voltage detection
- Support automatic test equipment to complete automatic detection of battery resistance and voltage
- Battery degradation status and life assessment
- Super capacitor ESR test

## SPECIFICATION

Model	HP3561
Display	3.5 inch TFT-LCD display
Measurement parameters	ESR, DCV
Resistance accuracy	0.50%
Resistance range	0.01mΩ ~ 3.1Ω
Voltage accuracy	0.01%
Voltage range	0.1mV ~ 20.0000V
Signal Source	Measurement current frequency: 1kHz; Open circuit voltage: 7V; Test current: <10mA 2
Measurement range	different ranges - 300mΩ, 3Ω; Automatic and manual test mode in full range
Measuring speed	66 meas/sec., 30 meas/sec., 10 meas/sec., 3 meas/sec.
Calibration	Short-circuit reset for all ranges; REL function
Comparator	30 sets of records, 4 grades of sorting, count number of sorting in each grade
Trigger mode	Internal/manual( optional external trigger)
Interface	RS-232C, Handler(PLC interface), LAN(optional)
Power supply	Voltage: 90VAC~250VA; Frequency: 47Hz 400Hz; Power: max 10VA
Dimension & weight	325 mm (L)x215mm (W)x96.5mm (D); Weight: 3kg
Accessories	PB36 connector, CHT9363A test clip, CHT9800 communication cable

# HP3561 Multi-channel Battery Tester



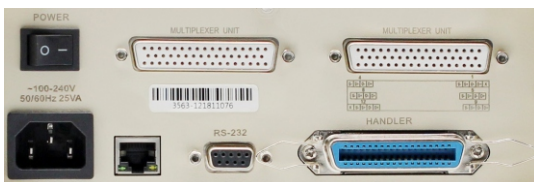
## OVERVIEW

The CHT35661-12H/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 HP3561, 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



HP3561 series instrument comes standard with RS232/RS485 AND I/O INTERFACE, ESPECIALLY SUITABLE FOR SUPPORTING AUTOMATIC EQUIPMENT TO COMPLETE AUTOMATIC TEST.



Integrated the multi-channel scanning card inside the instrument, HP3561 has the advantages of fast scanning speed, strong anti-interference ability and long switch life. It is more convenient to use and more powerful.

HP3561-12 and HP3561-24 multi-channel resistance tester can be used for both single-channel and multi-channel test; They support single-card 12-channel in four-terminal test and max of 24-channel test.

## APPLICATION

- Lithium battery automatic sorting line
- Multiple battery packs
- Simultaneous measurement of multiple batteries
- Measurement of electric vehicle battery packs

## 规格选型表

Model	Channel	Application	Performance characteristics
CHT3561	Single	General use	Single test for all sizes of batteries
CHT3561-12H	12-channel	MOSFT	Single cell battery
		Relay	Battery pack in series
CHT3561-24H	24-channel	MOSFT	Single cell battery
		Relay	Battery pack in series