

HT3544/3548 DC Resistance Meter



OVERVIEW

- Offering 0.02% basic accuracy, 0.1 $\mu\Omega$ minimum resolution, 1A maximum test current
- With measurable range 0.1 $\mu\Omega$ ~3.3M Ω .
- Anti-interference measurement is achieved by protecting the probe used by the port and increasing the test current.
- Using the sorting indicator (option) with loud volume sound to accurately judge whether it is qualified or not at the production site.
- Equipped with RS232/RS485/LAN interfaces and EXT I/O port, HT3544 multi-channel resistance meter is especially suitable for supporting ATE line to complete automatic test.

FEATURES

Benchtop HT3544 Resistance Tester

- Benchtop HT3544 with compact structure. Anti-interference design, suitable for complex occasions in electromagnetic environment.
- Fast and high-precision testing, rich interfaces.



Handheld HT3548 Resistance Tester

- Compact and portable structure with powerful function
- Unique measuring conductor length function
- Unique 300mA current test
- The measured value automatically maintained and stored
- Stable measurement value (average function)
- With thermoelectric compensation function (OVC)



SPECIFICATION

Model	HT3548	HT3544
Display	4.3 inch VFD display	3.5 inch TFT-LCD display
Measurement items	ESR, temperature	
Basic accuracy	0.1% \pm 10 reading (3m Ω ,30m Ω ,3M Ω); 0.05% \pm 4 readings;0.02% \pm 2 readings(the other ranges)	
Resolution	0.1 $\mu\Omega$	
Measurement range	3m Ω /30m Ω /300m Ω /3 Ω /30 Ω /300 Ω /3k Ω /30k Ω /300k Ω /3M Ω	
Measurement speed	55 meas/sec	FAST(50Hz:21ms, 60Hz:18ms), SLOW(200ms)1A DC ;
Maximum test current	1A DC	DC 1A, Max:5.5V
Temperature	Range:-10 $^{\circ}$ C~60 $^{\circ}$ C Accuracy: \pm 1 $^{\circ}$ C	
Correction	Short-circuit reset for all ranges	
Comparator	HIGN/IN/LOW sorting	HIGN/IN/LOW sorting,10 bin-out
Internal data storage	Store up to 2400 test data	Support with PC software and store in PC
Trigger	Internal/auto trigger	Internal/external/manual/bus trigger
Other functions	OVC, length conversion function, temperature correction	temperature correction, power frequency setting
Interface	USB, external	External I/O,LAN,RS232
Power supply	12V/1700mAh lithium battery, AA (LR6) Alkaline Batteries x 8	Voltage:100VAC~256VAC; Frequency: 50Hz~60Hz;
Rated Power	2.5W	10W
Dimensions	208 mm (L)x120mm (W) x52mm (D),without sleeve	325 mm (L) x215mm (W) x 96.5mm (D),without sleeve
Accessory	Standard:HT9363-B,HT9348,power charger,12.6V charger	HT9363A test clip,HT9348 temperature probe,power cord
Weight	0.81kg	2kg

HT3544-12H/24H

Multi-channel Resistance Tester



OVERVIEW

The HT3544 multi-channel resistance tester is a new generation product from Hopetech Technology. Each model has two-wire and four-wire switchable modes. They realize maximum two-wire 48-channel resistance test and four-wire 24-channel resistance test. Based on the identical circuit design of the classic model HT3544 resistance meter, HT3544-12 and HT3544-24 are outstanding in anti-interference performance, make them very suitable for supporting automation equipment to complete automatic test.

FEATURES



HT3544 multi-channel resistance tester is able to work in a single-channel test and multi-channel test; It has two-wire and four-wire switchable modes. Each two-wire single-card can test maximum 24-channel and four-wire single-card can test maximum 12-channel; two-wire dual-card can test maximum 48-channel, four-wire dual-card can test maximum 24-channel;



HT3544 instrument comes standard with RS232/RS485/LAN and I/O interface, especially suitable for supporting automatic equipment to complete automatic test.

- Support multi-channel test, up to 24 test points via four terminals
- Rich interface for automation equipment
- Unique 300mA current test
- With automatic test function
- HT3544-12/24H can guarantee test accuracy
- Measure range of 0.1uΩ~3.3MΩ, 0.02% basic accuracy

APPLICATION

HT3544 has wide application in measuring various high, medium and low value resistors; various switch contact resistances; connector resistance; relay line package and contact resistance; transformer, inductor, motor, deflection coil winding resistance; wire resistance; ship, aircraft metal riveting resistance; printing line and hole resistance, etc.,

HT3544 multi-channel resistance tester is special for measurement of three-phase motor coil; inspection of connectors and wiring harness; inspection of relay contacts; inspection of welded parts of battery terminals.

SPECIFICATION SELECTION TABLE

Model	Channel No.	Design	Range	Accuracy
HT3548	Single	Handheld	3mΩ——3MΩ	0.02% ± 2rdg.
HT3544		Benchtop		
HT3544-12H	12-channel			
HT3544-24H	24-channel			