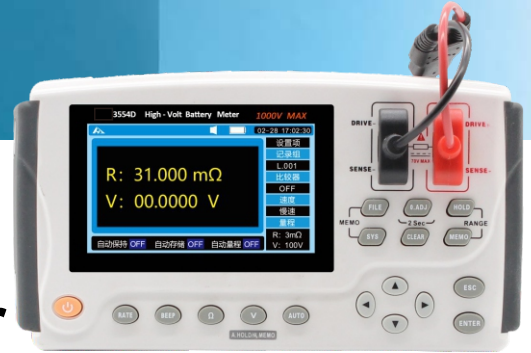


3554 Series Handheld Battery Tester



OVERVIEW



The 3554 battery tester is designed for large current and strong anti-interference to provide fast, complete and accurate diagnosis in internal resistance and voltage for backup UPS batteries and lead-acid batteries. Without stopping the instrument, 3554 can carry out online measurement and rapid diagnosis of deterioration of the batteries, greatly increasing the test efficiency. The built-in automatic data storage function can store up to 2400 sets of data.

3554A/B/D Handheld Internal Resistance Battery Tester is the company's key high-speed tester for accurate battery internal resistance and voltage test in the battery industry.

As a handheld tester, the 3 models are lighter and smaller than benchtop instruments, but their accuracy and speed is comparable to the benchtop tester since they use the same circuit design of the classic 3563.

Powered of lithium battery and dry battery, 3554 can still work in the harsh field and air transport limited areas to facilitate the use of dry-cell battery.



SPECIFICATION

Model		3554	HP3554A		HP3554B	HP3554D
Display		4.3inch VFD display		4.3inch TFT-LCD display		
Measurement items		ESR, DCV				
Resistance	Basic accuracy	±1%		±0.5%		
	Range	0.001mΩ ~ 3.100Ω		0.0001mΩ ~ 30.000Ω		
Voltage	Basic accuracy	±0.05%		±0.02%		
	Range	0.0001V~60.000V		0.00001V~100.000V	0.00001 V~300.000 V	0.00001 V~1000.00V
Signal source		AC 1kHz, Test current: <150mA		AC 1kHz; open circuit voltage: <5V; Test current: <150mA		
Range		3mΩ/30mΩ/300mΩ/3Ω 4 ranges in all		3mΩ/30mΩ/300mΩ/3Ω/30Ω; Auto and manual test mode in 5-level range		
Sampling rate		1 meas/sec (the average number optional)		20 meas/sec,3 meas/sec		
Temperature		Range:-10°C ~60°C Accuracy:±1°C		Range:-10°C ~60°C Accuracy:±1°C		
Correction		Short-circuit reset for all ranges				
Comparator		200 set WARNING/FAIL/PASS sorting		200 set storage data		
Internal data storage		Store up to 2400 set test data		Store up to 2400 set test data(upgradable to 4800 set)		
Trigger		Internal/auto trigger				
Interface		USB, EXPORT(port execute the hold function)				
Power supply		12V/1700mAh lithium battery, AA (LR6) Alkaline Batteries x 8				
Maximum rated power		4VA				
Dimensions		208 mm (L) x120mm (W) x 52.5mm (D),without sleeve, weight:0.81kg				
Accessory		CHT9363B CHT9371 CHT9348 USB mini cable charger 0370 belt				

3554 Series

3554/3554A/3554B/3554D



FEATURES

3554

- Special for online measurement for UPS batteries
- High stability, high resolution design, the highest voltage resolution 0.1mV, and internal resistance resolution 0.001mΩ
- Excellent anti-interference performance. When the instrument receives back EMF shock, it will automatically cut off the test loop.
- 3544 Use the latest anti-jamming technology to effectively suppress 1/f noise

3554A/B/D

- 3554A/B/D is a precision tester for ordinary batteries.
- Handheld design, lighter and smaller, but their accuracy and speed comparable to the benchtop tester.
- Ultra-wide test range, voltage test range up to 1000V (3554D only)
- Test speed faster than 3554
- It has a minimum resolution of 0.0001mΩ, maximum voltage and auto trigger voltage of 1000V and fastest test speed is 100mS.



APPLICATION

1. Inspection of high-voltage battery pack and battery module
2. High-speed mass production inspection of various batteries
3. For large, medium and small (low impedance) component inspection and high volume production inspection
4. Special fuel cell stack inspection
5. Research and development measurement for batteries
6. Simultaneously check internal resistance(IR)and battery voltage(OCV)at high speed



SPECIFICATION SELECTION TABLE

Model	Resistance accuracy	Resistance range	Voltage accuracy	Voltage range	Performance characteristics
3554	±1%	0.001mΩ ~ 3.100Ω	±0.0 5%	100μV ~ 60V	Special for online measurement for UPS batteries
3554A	0.5%	0.0001mΩ ~ 30.000Ω	±0.02%	10μV~100V	Handheld design, lighter and smaller, but their accuracy and speed comparable to the benchtop tester
3554B				10μV~300V	
3554D				10μV~1000V	