

# CHT3540 SERIES DC RESISTANCE TESTER



## OVERVIEW

- The CHT3540-1/2/3 is a high precision DC resistance tester with wide measurement range and controlled by high performance microprocessor.
- **FAST SPEED**  
It is used to test resistance of  $1\mu\Omega \sim 3M\Omega$ , maximum display value is 30,000 counts. The maximum measuring speed of CHT3540-1/2/3 is up to 60 times/sec and reach an accuracy of 0.05% under its measuring speed of 15 times/sec. In addition, the readings beating can be controlled within 3 counts or less.
- **WIDE APPLICATION**  
The special 3 current test modes (high-current, low-current and pulse current mode) and the standard temperature compensation function is adapted to the tests of different requirements. CHT3540-1/2/3 is used to measure resistance of transformer, inductance winding, relay, switch, connector contact, lead, soldering point, PCB track and hole, metal detection, etc.
- **OPTIONAL INTERFACE**  
The RS232C and HANDLER interfaces are used to output GD/NG signal, to improve automatic measurement ability on production line.

## FEATURES

- High-speed, high-precision
- Standard temperature compensation function
- 3 current-mode selection
- Internal comparator function, 30 groups record sorting
- Interface configuration is suitable for automated test system.

## SPECIFICATION

Model	CHT3540-1	CHT3540-2	CHT3540-3
Display	Screen size: 98mm x 58mm, 4-color VFD display		
Measurement parameters	DC resistance, Temperature	DC resistance	
Test Range	$1\mu\Omega \sim 3M\Omega$ $0 \sim 100^\circ\text{C}$	(IR): $10\mu\Omega \sim 300k\Omega$	(IR): $1\mu\Omega \sim 30k\Omega$
Basic accuracy	(R): 0.05%, (T) 0.5°C	(IR): 0.05%	(IR): 0.1%
Maximum display reading	30,000 counters, 4 1/2 digit display		
Test Mode	Test current: <1A; Current mode: standard current, low current, pulse current	Maximum Current: <1A, Current mode: standard current	
Sampling Rate	3 times/s, 15 times/s, 60 times/s		
Comparator	30 groups record sorting		1 group record sorting
Trigger Mode	internal, manually, external, remote,		internal, manual,
Range	9 ranges automatically or manually		7 ranges automatically or manually
Correction	all ranges short circuit zeroed		
Beeper	GD, NG, OFF		
Interface	RS232C (CHT3540-2/3 Optional)		
Protocol	SCPI, MODBUS (Optional)		
Other Functions	key lock and power-down data pretention, display adjustable brightness		
Power Supply	Voltage: 198V-250V AC Frequency: 47Hz-63Hz		
Maximum Power	15VA		
Dimensions	385mm*249mm*102mm (L*W*H)		
Weight	3.5kg		

## ACCESSORIES



CHT9800



CHT9363



CHT9701

CHT3540-2 options: CHT9800+CHT9701

CHT3540-3 options: CHT9800+CHT9701

Verkauf und technische Betreuung