

CHT3540/A/B High Accuracy DC Low Resistance Meter



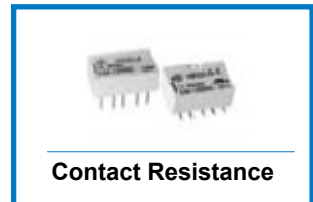
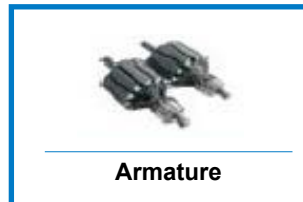
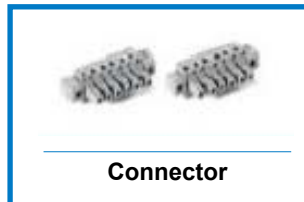
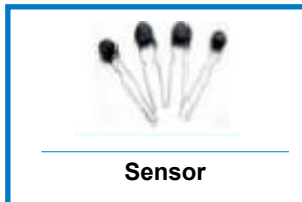
OVERVIEW

- The CHT3540/A/B high accuracy DC low resistance meter is Hope Science & Technology's most feature product for ultra-low-resistance tests in cable, materials and shunt industry. This new low resistance tester gives the highest accuracy and stability in the industry, the minimum resolution is up to 0.01 $\mu\Omega$. Using pulse forward and reverse current test mode, CHT3540A/B greatly reduces the large test error due to the heating in the process. The latest model CHT3540B has the calculating the resistivity function and its optional infrared thermometer can be used for non-contact temperature compensation.

FEATURES

- Minimum resolution 0.01 $\mu\Omega$ (CHT3540B), maximum reading of 300,000
- Accuracy of 0.02%
- Pulse current applied for cancel the influence thermoelectric. (only CHT3540A/B)
- Standard temperature compensation function (CHT3540B optional infrared thermometer for temperature compensation)
- Resistivity function (only CHT3540B)

APPLICATION



- Fit in variety of contact resistance test
- Used in evaluating the deterioration and lifetime of the alkali/lead-acid/ lithium storage batteries
- On-the-spot testing of the uninterruptible power supply (UPS)
- Applied in delivery inspection of storage battery
- The measurement of ESR on supper capacitors

SPECIFICATION

Model	CHT3540A	CHT3540	CHT3540B
Measurement parameters	DC resistance		DC resistance, Resistivity, Temperature,
Basic accuracy	Resistance:0.02% Temperature:0.5 C		
Measurement range	0.1 $\mu\Omega$ ~ 30 Ω	0.1 $\mu\Omega$ ~ 30M Ω	Resistance: 0.01 $\mu\Omega$ ~ 300 Ω Temperature: 0~100 C
Signal Source	pulse current:<2 current mode: forward and reverse current test, pulse current	max current:<2A current mode: high-current, pulse current	Max current:<10A,current mode: pulse current, Forward and reverse current test
Range	5 different ranges-30m Ω ,300m Ω ,3 Ω ,30 Ω ,300 Ω auto and manual modes are available in each range	9 different ranges-30m Ω ,300m Ω ,3 Ω ,30 Ω ,300 Ω ,3K Ω ,30K Ω ,300K Ω ,3M Ω Auto and manual modes are available in each range	6 different ranges-3m Ω ,30m Ω ,300m Ω ,3 Ω ,30 Ω ,300K Ω ; auto and manual modes are available in each range

Verkauf und technische Betreuung

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SPECIFICATION

Model	CHT3540A	CHT3540	CHT3540B
Measuring speed	3 meas/sec., 15 meas/sec., 60 meas/sec.		1 meas/sec., 3 meas/sec., 15 meas/sec.
Result display	direct read, Δ ABS, $\Delta\%$, sorting results		
Maximum display value	30,0000 5 1/2 digit display		
Calibration	short-circuit reset for all ranges		
Comparator	1 sets of data record, NG-LO, GD-IN, NG-HI display and output.	30 sets of data record, NG-LO, GD-IN, NG-HI display and output.	30 set of data records, NG-LO, GD-IN, NG-HI display and output.
Trigger mode	internal/manual/remote trigger	Internal/manual/external/remote trigger	internal/manual trigger
Interface	RS-232C,handler (Optional PLC interface)		
Protocol	SCPI		
Beeper	GD,NG,OFF		
Temperature compensation	accuracy:0.5 °C,range:0 ~ 100 °C		Integrated temperature probe (optional)
Test terminal	four-terminal(including 2 detecting-ends and 2 driver-end)		
Power supply	voltage:198VAC ~ 240VAC; Frequency: 47Hz ~ 63Hz;Power: max 15VA		voltage:90VAC-250VAC ; Frequency: 47Hz ~ 100Hz;Power: max 20VA
Dimension & weight	385 mm (L)x249mm (W)x102mm (D); weight: 3.5kg		
Accessories	CHT9363 kelvin test wire CHT9800 RS232C interface cable CHT9700 temperature probe		
Options	CHT0301 4-terminal test fixture		
Others	four-color VFD display, keypad lock and data hold function		

ACCESSORIES

For CHT3540



For CHT3540A



For CHT3540B



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