

CHT3541X Multi-channel Resistance Meter



OVERVIEW

- The CHT3541X is a brand new design multi-channel resistance meter with high precision, wide measurement range and compact plug-in card design. The customer can configure either a capture card or alarm card according to the different needs. Each test card can scan and test 8 channels resistance.
- The CHT3541X adopts high performance ARM microprocessor control design. 48 channels of resistance can be indicated simultaneously in the true-color 4.3 inches LCD display and each channel can set the comparator separately. The CHT3541X provides resistance range of 10 $\mu\Omega$ ~300K Ω , giving a maximum display value of 30000 counts. Its temperature compensation function adapts different testing requirements.
- The RS232C and HANDLER interfaces are used to output GD/NG signal, to improve automatic measurement ability on production line.

SPECIFICATION

Model	CHT3541X
Measurement parameters	DC resistance
No. of Channel	Each card has 8 channels. Each channel offers serial scan test. Each card is connected in parallel
Measurement range	10 $\mu\Omega$ ~ 300K Ω
Signal Source	current:<100 mA
Accuracy	0.05%
Measuring speed	3 meas/sec., 10 meas/sec., 30 meas/sec.
Result display	available of two fonts display; up to 48-channel display simultaneous
Maximum display value	30,000
Calibration	Short-circuit reset for all ranges
Comparator	the comparator can be set separately in each channel
Trigger mode	auto trigger/internal/remote trigger
Interface	RS-232C(including SCPI command), handler (Optional PLC interface)
Trigger and alarm signal	Optional alarm card 40 sets of sorting signal can be triggered and output
Test terminal	Four-terminal(including 2 detecting-ends and 2 driver-end)
Power supply	Voltage:90VAC ~ 250VAC; Frequency: 47Hz ~ 400Hz;Power: max 15VA
Dimension & weight	263 mm (L)x249mm (W)x102mm (D); Weight: 2.5kg
Accessories	CHT9340 kelvin test wire CHT9800 RS232C interface cable
Others	LCD display available upper resistance limit value and lower resistant limit value

FEATURES

- High-speed sampling test, 48 channels test only needs 30 ms, suitable for high-speed sorting product lines.
- Capture card design, easy to operate. Each card offers parallel test.
- Each card has its own ground. Channels are isolated from each other.
- Optional PLC interface, available at temperature compensation function
- Support U disk exporting and file system

V Range 0-320KΩ	Ω -Resolution 0-10$\mu\Omega$
High Speed 30 times/s	Display 4.3 Inch TFT
Reading Max 32000	Accuracy 0.05%
Chanel 48	Int-Memory 64M

APPLICATION

