

DC RESISTANCE TESTER

CKT3542 SERIES DC RESISTANCE TESTER

18



FEATURES:

- Test cables abnormality detection
- Thermoelectric potential compensation function
- Open circuit inspection of test line
- Automatic test function

SPECIFICATION:

SPECIFICATIONS			
Model	CKT3542	CKT3542-12H	CKT3542-24H
Number of Channel	1	12	24
Parameters	DC resistance		
Measurement Range	0.1 $\mu\Omega$ ~ 10M Ω		
Min Resolution	0.1 $\mu\Omega$		
Signal Source	DC: 1A ~ 0.5 μ A		
Basic Accuracy	$\pm 0.01\%$ rdg. $\pm 0.001\%$ f.s. (accuracy varies based on different ranges, please refer to manual for detailed accuracy description)		
Range	20m Ω / 200m Ω / 2000m Ω / 20 Ω / 200 Ω / 2000 Ω / 20k Ω / 200k Ω / 2000k Ω / 10M Ω		
Speed	Fast (2.2ms) , Medium (50Hz: 21ms, 60Hz: 18ms), Slow 1(102ms), Slow 2(202ms)		
Temperature Compensation	Range: -10 $^{\circ}$ C~60 $^{\circ}$ C, Accuracy: 1 $^{\circ}$ C		
Guaranteed Accuracy Condition	23 $^{\circ}$ C, < 80%RH		
Display Digits	5 $\frac{1}{2}$ digits		
Adjustment	Short-circuit clear zero for all ranges		
Comparator	10 bins sorting, output HIGH/IN/LOW sorting signal		
Trigger	Internal trigger, External trigger, I/O trigger, Manual trigger, BUS trigger		
Interface	External IO interface, LAN interface, RS232 interface		
Others	Test cables abnormality detection (See user manual for more details)		
GENERAL FEATURES			
Power Supply	100VAC ~ 256VAC; frequency: 50~60Hz; rated power: 15 VA		
Size and Weight	325mm (L)x 215mm (W)x 96.5mm (D); Weight: approx. 4kg		
ORDER ING INFORMATION			
Accessories	Kelvin Test leads Temperature probe RS232 communication cable Handler interface connector AC power cord		

INTERFACE:

- EXTERNAL IO
- LAN
- RS232

BRIEF INTRODUCTION

Basic accuracy of CKT3542 series DC resistance tester is 0.01%, minimum resolution is 0.1 $\mu\Omega$, maximum test current is 1A, and the measurable range is 0.1 $\mu\Omega$ ~ 10M Ω . The test current is increased by the probe used to protect the port to achieve anti-interference measurement. Use the comparison judgment lamp (option) and the judgment sound of a large volume to accurately judge whether it is qualified or not at the production site. With EXT I/O interface suitable for NPN/PNP, it can be used in various automatic production lines, it is suitable for auto automatic production line of various types of signal interface.

STANDARD ACCESSORIES



Kelvin Test leads



Temperature probe



RS232 communication cable



Handler interface connector



AC power cord



Test leads (for multi-channel only)