

DC RESISTANCE TESTER

CKT3545 DC RESISTANCE METER

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INTERFACE:

- EXTERNAL IO
- LAN
- RS232
- ANALOG OUTPUT (OPTIONAL)

BRIEF INTRODUCTION

Basic accuracy of CKT3545 precision resistance tester is 0.01%, minimum resolution is $0.01\mu\Omega$, maximum test current is 1A, and the measurable range is $0.01\mu\Omega \sim 1200M\Omega$. 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. CKT3545 is freely configured to multi bins, EXT I/O interface can be configured to NPN/PNP, 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

FEATURES:

- Thermoelectric potential compensation function
- Open circuit inspection of test line
- Automatic test function
- Short-circuit clear zero for all ranges

SPECIFICATION:

SPECIFICATIONS	
Model	CKT3545 DC Resistance Meter
Parameters	DC resistance
Measurement Range	$0.01\mu\Omega \sim 1200M\Omega$
Min Resolution	$0.01\mu\Omega$
Signal Source	DC: under 1A \sim $1\mu A$, [LP ON]: 1mA \sim $5\mu A$
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	10m Ω / 100m Ω / 1000m Ω / 10 Ω / 100 Ω / 1000 Ω / 10k Ω /100k Ω / 1000k Ω / 10M Ω / 100M Ω / 1000M Ω
Open Circuit	DC 20V (Range 10 k $\Omega \sim$), Maximum DC 5.5 V(Range \sim 1000 Ω), [LP ON]: $\leq 20mV$
Speed	Fast (2.2ms); Medium (50Hz: 21ms, 60Hz: 18ms); Slow 1(102ms); Slow 2(202ms)
Temperature Compensation	Range: $-10^{\circ}C \sim 99.9^{\circ}C$ Accuracy: $\pm 0.50^{\circ}C$
Guaranteed Accuracy Condition	$23^{\circ}C$, $< 80\%RH$
Display Digits	$6\frac{1}{2}$ 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, analog output interface (Optional), LAN interface, RS232 interface
Others	Test cables abnormality detection (See user manual for more details)
GENERAL FEATURES	
Power Supply	AC 100 \sim 256 V; frequency: 50 \sim 60Hz; rated power: 15 VA
Size and Weight	325mm (L)x 215mm (W)x96.5mm (D); Weight: approx.4kg
ORDER ING INFORMATION	
Accessories	Kelvin Test leads Temperature probe RS232 communication cable Handler interface connector AC power cord