

UT593 595 Series Multifunction Testers

Introduction

Features

1. 9999-count LCD display with analogue bar
2. 250V~1000V DC insulation resistance test
3. 200mA earth-resistance continuity test
4. Loop impedance/Prospective Fault Current (PFC)/Prospective Short Current (PSC) test
5. Lock test
6. RCD trip time test and the data storage with one key
7. Full/Half wave and count downing (30s) test mode selectable
8. 0°/180° phase angle option to detect the fastest trigger time
9. Trip current test of RCD trip time X2
10. RCD trip trigger current test
11. Phase sequence and missing test
12. AC/DC voltage auto check and test
13. Connection check with status real-time display
14. White backlight; auto power off

Certifications

CE

Safety rating

CAT III 1000V / CAT IV

600V

Specifications	Range	
Model		
Insulation resistance (Ω)	Output voltage	250V/500V/1000V
	250V	0.05M Ω ~250M Ω
	500V	0.05M Ω ~500M Ω
	1000V	0.05M Ω ~1000M Ω
	Short-circuit	
Low-resistance continuity test	Range	0.00 Ω ~199 Ω
	Test current	0.00~2 Ω : >200mA
Line impedance (Ω)	Range	0.01 Ω ~2000 Ω
	Operating	195V~440V (45Hz~65Hz)
	Test current	20A
	PFC test	0kA~26kA
Loop impedance (Ω)	Range	0.01 Ω ~2000 Ω
	Operating	195V~253V (45Hz~65Hz)
	Test current	20A
	PFC test	0kA~26kA
Non-trip loop impedance (Ω)	Range	1.00 Ω ~2000 Ω
	Operating	195V~253V (45Hz~65Hz)
	Test current	15mA
	PFC test	0kA~26kA
	Operating	195V~253V (45Hz~65Hz)
	Test current	10mA/30mA/100mA/300mA/500mA

RCD test	Trip time	×1/2 *I Δ n Range: 0ms~2000ms
		×1 *I Δ n Range: 0ms~300ms
		×1 *I Δ n Range: 0ms~500ms (Select
		×2 *I Δ n Range: 0ms~150ms
		×2 *I Δ n Range: 0ms~200ms (Select
		×5 *I Δ n Range: 0ms~40ms
Phase sequence test	Operating	100V~440V (45Hz~65Hz)
	Display	Phase sequence: L1→L2→L3, forward
Ramp RCD test	Test current	10mA/30mA/100mA/300mA/500mA
AC voltage (V)	Range	0V~440V
	Frequency	45Hz~60Hz
	Resolution	1V

Features

Display count	
Auto power off	
Low battery indication	
Data storage	
LCD backlight	
Auto half-wave test	
RCD count down test	30s
RCD half-wave test	
Phase conversion (RCD)	0° and 180°

General Characteristics

Power	1.5V battery (5#) × 6
LCD size	125mm × 37mm
Product color	Red and grey
Product net weight	1000g
Product size	210mm × 175mm × 90 mm
Standard accessories	Battery, test leads (red×1, green×1, black×1), special power
Standard individual packing	Gift box, manual, tool box
Standard quantity per carton	4pcs
Standard carton	510mm×330mm×300mm
Standard carton gross	15kg

Best Accuracy	
UT593	UT595
±10%	
±(5%+5)	
<2mA	
±(2%+5)	
√	
±(5%+5)	
√	
√	
√	
±(5%+5)	
√	
√	
√	
±(5%+5)	
√	
√	
√	
√	
±10%	

$\pm(5\%+5)$	
	$\pm(5\%+5)$
	$\pm(5\%+5)$
$\pm(5\%+5)$	
√	√
√	√
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· test lead, remote-control	