UNI-T®

UT593/595

Multifunction Installation Testers



UT593



UT595

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



Specification	Range		UT593	UT595
Insulation resistance (Ω)	Output voltage	250V/500V/1000V	±10%	
	250V	0.05MΩ~250MΩ	±(5%+5)	
	500V	0.05MΩ~500MΩ		
	1000V	0.05MΩ~1000MΩ		
	Short-circuit current		<2mA	
Low-resistance continuity test	Range	0.00Ω~199Ω	±(2%+5)	
	Test current	0.00~2Ω: >200mA	√	
Line impedance (Ω)	Range	0.01Ω~2000Ω	±(5%+5)	
	Operating voltage (Frequency)	195V~440V (45Hz~65Hz)	√	
	Test current	20A	√	
	PFC test	0kA~26kA	√	
Loop impedance (Ω)	Range	0.01Ω~2000Ω	±(5%+5)	
	Operating voltage (Frequency)	195V~253V (45Hz~65Hz)	√	
	Test current	20A	√	
	PFC test	0kA~26kA	√	
Non-trip loop impedance (Ω)	Range	1.00Ω~2000Ω	±(5%+5)	
	Operating voltage (Frequency)	195V~253V (45Hz~65Hz)	√	
	Test current	15mA	√	
	PFC test	0kA~26kA	√	
RCD test	Operating voltage (Frequency)	195V~253V (45Hz~65Hz)	√	
	Test current	10mA/30mA/100mA/300mA/500mA	±10%	
	Trip time	×1/2 *I△n Range: 0ms~2000ms	±(5%+5)	
		×1 *I△n Range: 0ms~300ms ×1 *I△n Range: 0ms~500ms (Select count down)		
		×2 *I△n Range: 0ms~150ms		±(5%+5)
		×2 *I△n Range: 0ms~200ms (Select count down)		±(5%+5)
		×5 *I△n Range: 0ms~40ms	±(5%+5)	
Phase sequence test	Operating voltage (Frequency)	100V~440V (45Hz~65Hz)	√	
	Display	Phase sequence: L1→ L2→ L3, forward rotation; L1→ L3→ L2 reverse rotation	√	
	Test current	10mA/30mA/100mA/300mA/500mA	±10%	
AC voltage (V)	Range	0V~440V	±(5%+2)	
	Frequency response	45Hz~60Hz	√	
	Resolution	1V	√	
Safety	CAT III 300V			

CE RoHS