

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