

Digital Meters



Type / Characteristics	UT502	UT595
Insulation resistance	500 V: 3 M Ω ~2000 M Ω 500 V: 5 M Ω ~4000 M Ω 2500 V: 30 M Ω ~20 G Ω	250 V: 0.05 M Ω ~250 M Ω 500 V: 0.05 M Ω ~500 M Ω 1000 V: 0.05 M Ω ~1000 M Ω
Load current	250/500 V; 1 mA 500/1000 V; 1 mA 1000/2500 V; 1 mA	
Test voltages	500~2500 V	
Short circuit current	<2 mA	<2 mA
Low resistance continuity		range: 0 Ω ~199 Ω testing current: 0~2 Ω : >200 mA
Line impedance		range: 0.01 Ω ~2000 Ω operational voltage: 195 V~440 V (45~65 Hz) testing current: 20 A PFC range: 0 kA~26 kA
Loop impedance		range: 0.01 Ω ~2000 Ω operational voltage: 195 V~253 V (45~65 Hz) testing current: 20 A PFC range: 0 kA~26 kA
Loop impedance without tripping		range: 1 Ω ~2000 Ω operational voltage: 195 V~253 V (45~65 Hz) testing current: 15 mA PFC range: 0 kA~26 kA
RCD		operational voltage: 195 V~253 V (45~65 Hz) testing current: 10 mA, 30mA, 100 mA, 300 mA, 500 mA trip time: x 1/2 *I Δ n range 0~2000 ms x 1 *I Δ n range 0~300 ms x 1 *I Δ n range 0~500 ms (selective mode) x 2 *I Δ n range 0~300 ms x 2 *I Δ n range 0~500 ms (selective mode) x 5 *I Δ n range 0~40 ms
Phase sequence test		operational voltage: 100 V~440 V (45~65 Hz) indication: L1→L2→L3 – positive change, L1→L3→L2 – to reverse
RCD measurement ramp slope		testing current: 10 mA, 30 mA, 100 mA, 300 mA, 500 mA
DC voltage	0~1000 V	range: 0 V~440 V frequency: 45~65 Hz resolution: 1 V
AC voltage	0~750 V	range: 0 V~440 V frequency: 45~65 Hz resolution: 1 V
Features		
Auto/manual range	Auto	
Alarm	●	
Low battery indication	●	
General characteristics		
Power	1.5V (6x LR6)	1.5V (8x LR6)
LCD size	71x34 mm	125x37 mm
Weight	500 g	1000 g
Product size	150x100x71 mm	210x175x90 mm
Standard accessories	test lead, batteries, manual, alligator clip, case	test lead, batteries, manual, alligator clip