



UT502A Insulation Resistance Tester

UT500 series insulation testers are used to measure the insulation resistance of electrical equipment and household appliances. This is done by measuring the insulation resistance between electrical

circuits or between circuits and ground. UT500 series can measure insulation resistance, AC Voltage, low resistance, PI (Polarization Index) and DAR (Dielectric Absorption). These are ideal tools for ensuring transformers, generators, high voltage motors, power capacitors, power cables, arresters and other electrical equipment that can operate in a safe and accurate manner.

Applications:

It is used for insulation resistance measurement for insulation materials and various kinds of electric equipment such as transformer, electric machines, cables, switches, electrical appliance, and an ideal tool for electric maintenance, testing and inspection.

Specifications		Range	UT502A	
Insulation resistance (Ω)	Test voltages	500V/1000V/2500V	0%~10%	
	500V	0M Ω ~99.9M Ω	$\pm(3\%+5)$	
		100M Ω ~5G Ω	$\pm(5\%+5)$	
	1000V	0M Ω ~99.9M Ω	$\pm(3\%+5)$	
		100M Ω ~5G Ω	$\pm(5\%+5)$	
	2500V	0M Ω ~99.9M Ω	$\pm(3\%+5)$	
		100M Ω ~9.9G Ω	$\pm(5\%+5)$	
		10G Ω ~20G Ω	$\pm(10\%+5)$	
	Load current	50V (R=50k Ω) 1mA		0%~10%
		100V (R=100k Ω) 1mA		0%~10%
		250V (R=250k Ω) 1mA		0%~10%
		500V (R=500k Ω) 1mA		0%~10%
1000V (R=1M Ω) 1mA			0%~10%	
2500V (R=1M Ω) 1mA			0%~10%	
Short-circuit current			<2mA	
Low resistance (Ω)	0.01 Ω ~200 Ω (about 5.0V/>200mA)		$\pm(2\%+3)$	
AC voltage (V)	30V~600V		$\pm(2\%+3)$	
Features				
Display count			2000	
DAR	60s/15s and 60s/30s		√	
PI			√	
Auto range/Low battery indication			√	
LCD backlight/Light alarm			√	

Buzzer alarm/High voltage indication		√
Over load indication/Auto discharge		√
Test voltage secondary display		√
10MΩ internal resistance test		√
Meets IEC 61557	61557-1:2007; 61557-2:2007; 61557-4:2007	
General Characteristics		
Power	1.5V battery (LR6) x 6	
Display	70.6mm x 34mm	
Product color	Red and grey	
Product net weight	500g	
Product size	150mm x 100mm x 71mm	
Standard accessories	Batteries, test leads, alligator clips, gallas, test probes	
Standard individual packing	Gift box, carrying bag, English manual	
Standard quantity per carton	20pcs	
Standard carton measurement	500mm x 380mm x 330mm (0.063 CBM per standard carton)	
Standard carton gross weight	18.9kg	