

Insulation Resistance Testers



Models	UT505A	UT505B	UT501A	UT501B	UT501C	UT502A	UT502C
Page	149	149	148	148	146	148	146
							
Test voltage	1000V	1000V	1000V	1000V	1000V	2500V	2500V
Insulation resistance	20GΩ	200GΩ	5GΩ	5GΩ	5GΩ	20GΩ	20GΩ
Step voltage	50%-120% in range and 10% steps	50%-120% in range and 10% steps					
Short-circuit current	<2mA	<2mA	<2mA	<2mA	<2mA	<2mA	<2mA
Comparison function	●	●					
Polarization index (PI)	●	●		●		●	
Dielectric absorption ration (DAR)	●	●		●		●	
Secondary display for current		●					
Auto discharge	●	●	●	●	●	●	●
Low resistance (Continuity)	20kΩ	10MΩ		200Ω		200Ω	
True RMS	●	●					
Auto range	●	●	●	●	●	●	●
DC voltage	600V	600V					
AC voltage	600V	600V	750V	750V	750V	750V	750V
Resistance		10MΩ					
Capacitance		500μF					
Frequency		1kHz					
Data storage	99	99					
High voltage prompt	●	●	●	●	●	●	●
LCD backlight	●	●	●	●	●	●	●
Analog bar	●	●					
Low battery indication	●	●	●	●	●	●	●
Overload prompt	●	●	●	●	●	●	●
Light alarm	●	●	●	●	●	●	●
Buzzer alarm	●	●	●	●	●	●	●
Auto power off	●	●	●	●	●	●	●
Timing measurement	●	●					●
Meets IEC 61557	61557-1:2007, 61557-2:2007, 61557-4:2007	61557-1:2007, 61557-2:2007, 61557-4:2007	61557-1:2007, 61557-2:2007	61557-1:2007, 61557-2:2007, 61557-4:2007		61557-1:2007, 61557-2:2007, 61557-4:2007	
Category ratings	CAT IV 600V	CAT IV 600V	CAT III 600V	CAT III 600V	CAT II 1000V / CAT III 600V	CAT III 600V	CAT II 1000V / CAT III 600V
Certificates	CE/UKCA/cETLus	CE/UKCA/cETLus	CE/UKCA	CE/UKCA		CE/UKCA	

UT500 series digital insulation resistance testers, with their new design, large scale integrated circuit and digital circuit, are utilized to measure insulation resistance, alternating voltage and other parameters. This series of testers have features of complete functions, high accuracy, stable performances, comfortable and reliable operation. The tester is used in maintenance, test and verification for various electrical equipment and is applicable to measure insulation resistance of transformer, motor, cable, switch, electric appliances, etc.



UT501C



UT502C

Specifications	Output Voltage	Measurement Range	UT501C	UT502C
Insulation resistance	100V	0.00MΩ~100MΩ	√	
	250V	0.00MΩ~500MΩ	√	√
	500V	0.00MΩ~2.00GΩ	√	√
	1000V	0.00MΩ~5.00GΩ	√	√
	2500V	0.00MΩ~20.0GΩ		√
Insulation resistance accuracy		0.00MΩ~99.9MΩ: ±(3%+5)	√	
		100MΩ~5.00GΩ: ±(5%+5)		
		0.00MΩ~99.9MΩ: ±(3%+5)		
		100MΩ~9.99GΩ: ±(5%+5)		√
		10.0GΩ~20.0GΩ: ±(10%+5)		
Voltage measurement range	AC: 30V~750V (50Hz/60Hz), ±(2%+3)			
Short-circuit current	<2mA			
Powered by	Adapter (optional, without charging function) 6 x 1.5V AA alkaline batteries			
Auto power off	√			
Self-lock function	√			
Low battery indication	√			
Data hold	√			
Auto discharge	√			
Audible and visual alarm	√			
Overrange indication	√			
Backlight function	√			
Altitude	≤2000 m			
Operating temperature and humidity	0°C~35°C, <75% RH			
Storage temperature and humidity	-20°C~60°C, <80% RH			
Rating	CAT III 600V			



Characteristics	
Product color	Red + grey
Product weight(include batteries)	0.6kg
Product size	183.5mm x 115mm x 74mm
Accessories	User manual; test lead; alligator, strap, 1.5V AA batteries
Standard package	Gift box+ cloth bag
Package quantity	Outer carton: 20pcs
Package size	345 x 335 x 245mm