

UT500 Series Insulation Resistance Testers



SPECIFICATIONS

		Range	UT501A	UT501B	UT502A
Insulation resistance (Ω)	Test voltages	100V/250V/500V/1000V 250V/500V/1000V 500V/1000V/2500V	0%~10%	0%~10%	0%~10%
	100V	0M Ω ~100M Ω	$\pm(3\%+5)$		
	250V	0M Ω ~99.9M Ω	$\pm(3\%+5)$	$\pm(3\%+5)$	
		100M Ω ~5G Ω	$\pm(5\%+5)$	$\pm(5\%+5)$	
	500V	0M Ω ~99.9M Ω	$\pm(3\%+5)$	$\pm(3\%+5)$	$\pm(3\%+5)$
		100M Ω ~5G Ω	$\pm(5\%+5)$	$\pm(5\%+5)$	$\pm(5\%+5)$
	1000V	0M Ω ~99.9M Ω	$\pm(3\%+5)$	$\pm(3\%+5)$	$\pm(3\%+5)$
		100M Ω ~5G Ω	$\pm(5\%+5)$	$\pm(5\%+5)$	$\pm(5\%+5)$
	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%	0%~10%
100V (R=100k Ω) 1mA			0%~10%	0%~10%	0%~10%
250V (R=250k Ω) 1mA			0%~10%	0%~10%	0%~10%
500V (R=500k Ω) 1mA			0%~10%	0%~10%	0%~10%
1000V (R=1M Ω) 1mA			0%~10%	0%~10%	0%~10%
2500V (R=1M Ω) 1mA				0%~10%	
Short-circuit current		<2mA	<2mA	<2mA	
Low resistance (Ω)	0.01 Ω ~200 Ω (about 5.0V/>200mA)		$\pm(2\%+3)$	$\pm(2\%+3)$	
AC voltage (V)	30V~750V	$\pm(2\%+3)$			
	30V~600V		$\pm(2\%+3)$	$\pm(2\%+3)$	
Features					
Display count			2000	2000	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			√	√	√
10M Ω internal resistance test			√	√	√
Meets IEC 61557	61557-1:2007; 61557-2:2007; 61557-4:2007 (UT502A only)				

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, gallus, test probes (UT502A)
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	UT501A: 17.7kg; UT501B: 20.9kg; UT502A: 18.9kg