

# UT501A 501B 502A



Specifications		Range	UT501A	UT501B	UT502A
Insulation resistance ( $\Omega$ )	Test voltages	100V/250V/500V/1000V	0%~10%		
		250V/500V/1000V		0%~10%	
		500V/1000V/2500V			0%~10%
	100V	0M $\Omega$ ~100M $\Omega$	$\pm(3\%+5)$		
	250V	0M $\Omega$ ~99.9M $\Omega$	$\pm(3\%+5)$	$\pm(3\%+5)$	
		100M $\Omega$ ~5G $\Omega$	$\pm(5\%+5)$	$\pm(5\%+5)$	
	500V	0M $\Omega$ ~99.9M $\Omega$	$\pm(3\%+5)$	$\pm(3\%+5)$	$\pm(3\%+5)$
		100M $\Omega$ ~5G $\Omega$	$\pm(5\%+5)$	$\pm(5\%+5)$	$\pm(5\%+5)$
	1000V	0M $\Omega$ ~99.9M $\Omega$	$\pm(3\%+5)$	$\pm(3\%+5)$	$\pm(3\%+5)$
		100M $\Omega$ ~5G $\Omega$	$\pm(5\%+5)$	$\pm(5\%+5)$	$\pm(5\%+5)$
	2500V	0M $\Omega$ ~99.9M $\Omega$			$\pm(3\%+5)$
		100M $\Omega$ ~9.9G $\Omega$			$\pm(5\%+5)$
10G $\Omega$ ~20G $\Omega$				$\pm(10\%+5)$	
Load current	50V (R=50k $\Omega$ ) 1mA	0%~10%	0%~10%	0%~10%	
	100V (R=100k $\Omega$ ) 1mA	0%~10%	0%~10%	0%~10%	
	250V (R=250k $\Omega$ ) 1mA	0%~10%	0%~10%	0%~10%	
	500V (R=500k $\Omega$ ) 1mA	0%~10%	0%~10%	0%~10%	
	1000V (R=1M $\Omega$ ) 1mA	0%~10%	0%~10%	0%~10%	
	2500V (R=1M $\Omega$ ) 1mA			0%~10%	
Short-circuit current		<2mA	<2mA	<2mA	
Low resistance ( $\Omega$ )	0.01 $\Omega$ ~200 $\Omega$ (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 $\Omega$ 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, galls, 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				