



### SPECIFICATIONS

	Range	UT505A	UT505B	
Insulation resistance (Ω)	50V	50V/100V/250V/500V/1000V	0%~10%	0%~20%
		0.01MΩ~50MΩ	±(3%+5)	±(3%+3)
		50MΩ~1GΩ		±(3%+3)
		1GΩ~10GΩ		±(10%+3)
	100V	0.01MΩ~100MΩ	±(3%+5)	±(3%+3)
		100MΩ~1GΩ		±(3%+3)
	250V	1GΩ~20GΩ		±(10%+3)
		0.01MΩ~200MΩ	±(1.5%+5)	±(1.5%+5)
	500V	200MΩ~1GΩ		±(1.5%+5)
		1GΩ~50GΩ		±(10%+3)
	1000V	0.01MΩ~500MΩ	±(1.5%+5)	±(1.5%+5)
		500MΩ~1GΩ		±(1.5%+5)
		1GΩ~100GΩ		±(10%+3)
		0.1MΩ~2000MΩ	±(1.5%+5)	±(1.5%+5)
	Load current	2GΩ~9.9GΩ	±(10%+3)	±(5%+3)
10GΩ~20GΩ		±(20%+10)	±(7%+3)	
20GΩ~200GΩ			±(20%+3)	
50V (R=50kΩ) 1mA		0%~10%	0%~10%	
100V (R=100kΩ) 1mA		0%~10%	0%~10%	
Short circuit current	250V (R=250kΩ) 1mA	0%~10%	0%~10%	
	500V (R=500kΩ) 1mA	0%~10%	0%~10%	
	1000V (R=1MΩ) 1mA	0%~10%	0%~10%	
	Leakage current (A)	10~2000μA	<2mA	<2mA
Low resistance (Ω)	0.01Ω~20kΩ (about 5V/>200mA)	±(1.5%+3)		
	0.01Ω~100Ω (about 5V/>200mA/20mA optional)		±(1.5%+3)	
General resistance (Ω)	0.01kΩ~10MΩ		±(3%+3)	
DC voltage (V)	0V~600V	±(2%+3)	±(2%+3)	
AC voltage (V)	0V~600V	±(2%+3)	±(1.5%+5)	
Frequency (Hz)	45~1kHz		±(0.1%+3)	
Capacitance (F)	100pF~500μF		±(5%+5)	
<b>Features</b>				
Display count		6000	6000	
Auto range/True RMS		√	√	
Step voltage	10% steps at 50%~120% of range	√	√	
DAR	60s/15s and 60s/30s	√	√	
PI/Timing measurement		√	√	
Auto discharge		√	√	
Auto fuse check			√	
Analog bar graph		√	√	
Continuity buzzer		√	√	
Comparison measurement		√	√	
Low battery indication		√	√	



● UT505A

UT505 series handheld true RMS insulation resistance testers combine features of a digital multimeter and insulation resistance tester. Aside from the typical multimeter functions, these meters can also measure insulation resistance, PI, DAR, and automatically calculate resistance ratio to determine the insulation status.

UT505 can be used in insulation resistance testing of precision tools, including motors, cables, transformers, switches, electrical appliances, and insulated materials.

- Auto power off
- LCD backlight
- High voltage output alarm
- 99-group data storage
- Data hold
- Meets IEC 61557 61557-1:2007; 61557-2:2007; 61557-4:2007

### GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 6
Display	78mm x 59mm
Product color	Red and grey
Product net weight	630g
Product size	103mm x 225mm x 59mm
Standard accessories	Batteries, test leads, test probes, alligator clips
Standard individual packing	Carrying bag, gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	515mm x 380mm x 385mm (0.075 CBM per standard carton)
Standard carton gross weight	20.8kg
Optional accessory	Remote test lead