



UT505 SERIES

Handheld Insulation Resistance Testers

UT505A / UT505B (new)



■ UT505A



■ UT505B

SPECIFICATIONS

AUTO RANGE DATA HOLD TRUE RMS DAR PI

Specifications	Range	Best Accuracy		
Model		UT505A	UT505B	
Insulation Resistance(Ω)	50V	50V/100V/250V/500V/1000V	0%~10%	0%~10%
		0.01M Ω ~50.0M Ω	$\pm(3\%+5)$	$\pm(3\%+3)$
		50.0M Ω ~1.0G Ω		$\pm(3\%+3)$
	100V	1.0G Ω ~10G Ω		$\pm(10\%+3)$
		0.01M Ω ~100.0M Ω	$\pm(3\%+5)$	$\pm(3\%+3)$
		100.0M Ω ~1.0G Ω		$\pm(3\%+3)$
	250V	1.0G Ω ~20G Ω		$\pm(10\%+3)$
		0.01M Ω ~200.0M Ω	$\pm(1.5\%+5)$	$\pm(1.5\%+5)$
		200.0M Ω ~1.0G Ω		$\pm(1.5\%+5)$
	500V	1.0G Ω ~50G Ω		$\pm(10\%+3)$
		0.01M Ω ~500M Ω	$\pm(1.5\%+5)$	$\pm(1.5\%+5)$
		500M Ω ~1.0G Ω		$\pm(1.5\%+5)$
1000V	1.0G Ω ~100G Ω		$\pm(10\%+3)$	
	0.1M Ω ~2000M Ω	$\pm(1.5\%+5)$	$\pm(1.5\%+5)$	
	2.0G Ω ~9.9G Ω	$\pm(10\%+3)$	$\pm(5\%+3)$	
	10.0G Ω ~20G Ω	$\pm(20\%+10)$	$\pm(7\%+3)$	
	20G Ω ~200G Ω		$\pm(20\%+3)$	
	Load Current	50V(R=50K Ω) 1mA	0%~10%	0%~10%
	100V(R=100K Ω) 1mA	0%~10%	0%~10%	
	250V(R=250K Ω) 1mA	0%~10%	0%~10%	
	500V(R=500K Ω) 1mA	0%~10%	0%~10%	
	1000V(R=1M Ω) 1mA	0%~10%	0%~10%	
Short Circuit Current		<2mA	<2mA	
Leakage Current(A)	10 ~ 2000 μ A		$\pm(10\%+3)$	
Low Resistance (Ω)	0.01 Ω ~20.00k Ω (about 5.0V/>200mA)	$\pm(1.5\%+3)$		
	0.01 Ω ~100 Ω (about 5.0V/>200mA/20mA Optional)		$\pm(1.5\%+3)$	
General Resistance (Ω)	0.01k Ω ~1000k Ω		$\pm(3\%+2)$	
DC Voltage (V)	0.0V~600.0V	$\pm(2\%+3)$	$\pm(2\%+2)$	
AC Voltage (V)	0.0V~600.0V	$\pm(2\%+3)$	$\pm(2\%+3)$	
Frequency(Hz)	45~450 Hz		$\pm(0.1\%+3)$	
Capacitance(F)	100 pF ~10 μ F		$\pm(5\%+5)$	

Features

Features	UT505A	UT505B
Display Count	6000	6000
Auto Range	✓	✓
True RMS	✓	✓
Step Voltage	10% Steps at 50% ~ 120% of range	✓
DAR	60s/15s and 60s/30s	✓
PI	✓	✓
Timer	✓	✓
High Voltage Indication	✓	✓
Auto Discharge	✓	✓
Fuse Self Test	✓	✓
Analogue Bar Graph	✓	✓
Auto Power Off	✓	✓
Continuity Buzzer	✓	✓
Data Hold	✓	✓
Data Storage	99	99
Comparison	✓	✓
LCD Backlight	✓	✓
Low Battery Indication	✓	✓

GENERAL CHARACTERISTICS

Power	1.5V Batteries (LR6) × 6
LCD Size	78mm x 59mm
Product Color	Red and Grey
Product Net Weight	630g
Product Size	103mm x 225mm x 59 mm
Standard Accessories	Test Lead, Probe, Alligator Clip, Batteries
Standard Individual Packing	Carrying Bag, Gift Box, English Manual
Standard Quantity Per Carton	20 PCs
Standard Carton Measurement	515mm × 380mm × 385mm (0.075 CBM Per Standard Carton)
Standard Carton Gross Weight	20 Kg
Optional Accessories	Remote Test Lead