

UT510 Series

Insulation Resistance Testers

UNI-T®

Features

Auto range/auto power off
 Low battery indication
 Comparison measurement
 Polarization index (PI)
 Dielectric absorption ratio (DAR)
 LCD backlight
 Over-range warning
 High voltage indication
 Data storage: 18
 Analog bar graph: 30



UT513A

Test Voltage	Insulation resistance (Ω)	UT511	UT512	UT513A
Certificates	CE, UKCA			
100V	0.1M Ω ~500M Ω	$\pm(3\%+5)$		
250V	0.5M Ω ~2G Ω	$\pm(3\%+5)$		
500V	1M Ω ~4G Ω 0.5M Ω ~5G Ω 0.5M Ω ~20G Ω	$\pm(3\%+5)$	$\pm(3\%+5)$	$\pm(3\%+5)$
1000V	2M Ω ~10G Ω 1M Ω ~40G Ω	$\pm(3\%+5)$	$\pm(3\%+5)$	$\pm(3\%+5)$
1500V	5M Ω ~20G Ω		$\pm(3\%+5)$	$\pm(3\%+5)$
2500V	2.5M Ω ~100G Ω 10M Ω ~100G Ω		$\pm(3\%+5)$	$\pm(3\%+5)$
5000V	5M Ω ~1000G Ω			$\pm(3\%+5)$
DC voltage (V)	1000V 600V	$\pm(2\%+3)$	$\pm(2\%+5)$	$\pm(2\%+3)$
AC voltage (V)	750V 600V	$\pm(2\%+3)$	$\pm(2\%+5)$	$\pm(2\%+3)$
Test voltage accuracy		0%~10%	0%~20%	0%~20%
Short-circuit current		<2mA	<1.8mA	>3mA
Low resistance (Ω)	0.1 Ω ~999.9 Ω	$\pm(1\%+3)$		
Test voltage secondary display				$\checkmark$
USB interface			$\checkmark$	$\checkmark$
Timing measurement	Around 30 minutes Around 15 minutes	$\checkmark$	$\checkmark$	$\checkmark$
IEC 61557	UT513A: 61557-1:2007; 61557-2:2007			
Category ratings	CAT III 600V; CAT II 1000V (UT511 only)			
Power	1.5V battery (LR14) x 8			

Characteristics

Standard accessories	2pcs of one plug test leads to one alligator clip (black and green), 1pcs of two plugs test lead to one alligator clip (red), batteries, USB cable (UT512/UT513A), power adaptor (UT512/UT513A), English manual
Optional accessories	Power adaptor (UT511)
Display	123 x 58mm
Product size	202 x 155 x 94mm
Product net weight	500g
Standard individual packing	Gift box, tool box
Standard quantity per carton	4pcs
Standard carton measurement	505 x 345 x 345mm
Standard carton gross weight	UT511: 13.4kg; UT512: 15.9kg; UT513A: 18.9kg