

UT520 SERIES

Digital Earth Testers

UT520 series can perform precise 3-wire and simple 2-wire earth resistance measurement for power and electrical systems, lightning protection equipment, and ground system of all electrical equipment. This series is UNI-T's introductory earth resistance tester with high economic value. Its light weight design is convenient for field work.



● UT522

- Manual range
- Low battery indication
- Data hold
- LCD backlight/auto power off
- Full icon display
- Double insulation protection
- Poor contact display: "...Ω"
- Over-range display: Display "OL"
- Simple 2-wire testing
- Precise 3-wire testing

SPECIFICATION	Range	UT521	UT522
Certificates	CE, RoHS		
Earth resistance (Ω)	0-20Ω	±(2%+10)	
	0-200Ω	±(2%+3)	
	0-2000Ω	±(2%+3)	
	0-40Ω		±(2%+20)
	0-400Ω		±(2%+3)
AC earth voltage (V)	0-4000Ω		±(2%+3)
	0-200V	±(1%+4)	
	0-400V		±(1%+6)
Frequency: 50Hz/60Hz		v	v
Display count		2000	4000
Data storage		20	20
Category ratings	CAT III 600V		

GENERAL CHARACTERISTICS	
Power	1.5V battery (LR6) x 6
Display	70.6mm x 34mm
Product net weight	560g
Product size	160mm x 100mm x 70.5mm
Standard accessories	Batteries, simple test leads with alligator clips, standard test leads with alligator clips, earth spike, elastic strap, English manual
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	8pcs
Standard carton measurement	530mm x 300mm x 350mm
Standard carton gross weight	19kg

UT523A

Digital Earth Tester

UT523A is for measuring earth resistance, soil resistivity and earth voltage, it can perform precise 4-wire, 3-wire and simple 2-wire earth resistance measurement.

- Auto range
- Alarm function
- USB interface
- LCD backlight
- Data storage: 300 groups



● UT523A

SPECIFICATION	Range	UT523A
Earth resistance	0Ω-3000Ω	±(2%+3)
	3kΩ-30kΩ	±(4%+3)
Soil resistivity	0Ωm-9000kΩm	Decided by measuring precision of R: (ρ=2πaRa:1 m~100m, π=3.141)
Earth voltage (AC)	0-600V	±(2%+3)
Testing frequency	128Hz/111Hz/105Hz/94Hz(AFC)	
Short-circuit testing current (AC)	20mA max	
Open-circuit testing voltage (AC)	40V max	
Distance between electrodes	1m-100m can be set	
Testing voltage waveform	Sine wave	
Line voltage	Measure when the voltage is below 600V AC	
Low battery indicator	≤7.5V	
Withstand voltage (AC)	3700V/rms (between circuit and case)	
Auxiliary earth resistance test	0-30kΩ (100R+rC<50kΩ, 100R+rP<50kΩ)	
Interference test	Auto identify interference signals, when interference voltage is higher than 5V, "NOISE" is displayed	
Insulation resistance	Above 20MΩ (500V between circuit and case)	
GENERAL CHARACTERISTICS		
Power	DC 9V (1.5V LR14 x 6 ; can continuously standby for 300hrs)	
Display	124mm x 67mm	
Product net weight	Meter: 950g, test lead: 1.56kg, simple test lead: 935g	
Product size	215mm x 190mm x 95mm	
Standard accessories	Standard test lead, simple test lead, batteries, USB interface cable, English manual	
Standard individual packing	Gift box, tool box	
Standard quantity per carton	1pc	
Standard carton measurement	420mm x 320mm x 160mm	
Standard carton gross weight	6.23kg	