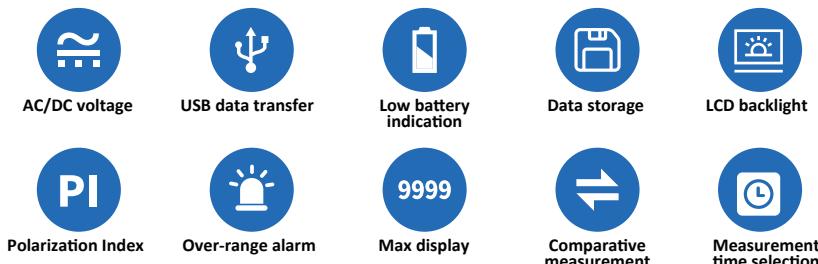


Models	UT511	UT512	UT513A	UT516B
Page	150	150	150	147
				
Test voltage	1000V	2500V	5000V	12000V
Insulation resistance	10GΩ	100GΩ	1TΩ	10TΩ
Step voltage				50%-120% in range and 10% steps
Short-circuit current	<2mA	<1.8mA	3.5mA	5mA
Comparison function	●	●	●	●
Polarization index (PI)	●	●	●	●
Dielectric absorption ratio (DAR)	●	●	●	●
Secondary display for current				●
Auto discharge	●	●	●	●
Low resistance (Continuity)	999.9Ω			
Auto range	●	●	●	●
DC voltage	1000V	600V	600V	1000V
AC voltage	750V	600V	600V	750V
USB data transmission		●	●	●
Data storage	18	18	18	999
High voltage prompt	●	●	●	●
LCD backlight	●	●	●	●
Analog bar	●	●	●	●
Low battery indication	●	●	●	●
Overload prompt	●	●	●	●
Light alarm				●
Buzzer alarm	●	●	●	●
Auto power off	●	●	●	
Timing measurement				●
Meets IEC 61557			61557-1:2007, 61557-2:2007	
Category ratings	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 1000V / CAT IV 600V
Certificates	CE/UKCA	CE/UKCA	CE/UKCA	

The UT516B is a digital 12kV insulation resistance tester with 6 test voltages: 500V, 1000V, 2500V, 5000V, 10000V and 12000V. Fine adjustment of voltages with 10% step at each range (except 12000V) is available. Test data can be saved in the tester memory and transferred to a PC via the dedicated USB cable. UT516B is easy to operate and widely used in measurement and maintenance of power equipment, power supply circuits, motors, cables, and other insulation materials.



UT516B

	Test Voltage	Range	Accuracy
Insulation Resistance Measurement	500V	0.50MΩ~4.99G	±(5%+5)
		5.00G~49.9GΩ	±(10%+10)
		50.0GΩ~500GΩ	for reference only
	1000V	1.00MΩ~9.99GΩ	±(5%+5)
		10.0G~99.9GΩ	±(15%+10)
		100GΩ~1000GΩ	for reference only
	2500V	2.50MΩ~24.9GΩ	±(5%+5)
		25.0G~249GΩ	±(15%+10)
		250GΩ~2.5TΩ	for reference only
	5000V	5.00MΩ~49.9GΩ	±(5%+5)
		50G~499GΩ	±(15%+20)
		500GΩ~5.0TΩ	for reference only
	10000V	10.0MΩ~99.9GΩ	±(10%+10)
		100G~999GΩ	±(20%+20)
		1000GΩ~10TΩ	for reference only
	12000V	12.0MΩ~99.9GΩ	±(10%+10)
		100G~999GΩ	±(20%+20)
		1000GΩ~10TΩ	for reference only
Output voltage		500V, 1000V, 2500V, 5000V 10000V, 12000V	0~+10% -5~+10%
Load current	500V, 1000V, 2500V, 5000V 10000V, 12000V	1mA 0.15~1.2mA	0%~+20% 0%~+20%
DC voltage measurement	30V~1000V		±(3%+5)
AC voltage measurement	30V~750V (50~60Hz)		±(3%+5)
PC software for data analysis	V		
Backlight Function	V		
Data storage	999 sets of data		
Dielectric Absorption Ratio (DAR)	0.00~999		
Polarization Index (PI)	0.00~999		

Characteristics

Standard accessories	User manual, test leads (red/black/green 1 each), USB cable, power adaptor, 1.5V alkaline batteries
Power	1.5V alkaline batteries (LR14) X 10, power adapter
Display	71 x 34mm
Product size	410 x 342 x 204mm
Product net weight	6.6kg
Standard individual packing	Gift box, tool box
Standard quantity per carton	1pc
Standard carton measurement	510 x 320 x 420mm
Standard carton gross weight	10.2kg