

UT516B INSULATION RESISTANCE TESTER

The UT516B is a digital high voltage insulation resistance tester with 6 ranges: 500V, 1000V, 2500V, 5000V, 10000V and 12000V. Fine adjustment of voltage 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, or be transferred to a PC in real time. The tester, with high performance and easy operation, is widely used in the measurement and maintenance of power equipment and power supply circuits.



AC/DC voltage



USB data transfer



Low battery indication



Data storage



LCD backlight



Polarization Index



Over-range alarm



Max display



Comparative measurement



Measurement time selection

		Range	Accuracy
Insulation Resistance Measurement	500V	0.50MΩ~4.99G	±(5%+5)
		5.00G~49.9GΩ	±(10%+10)
		50.0GΩ~500GΩ	for reference only
		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)
	10000V	500GΩ~5.0TΩ	for reference only
		10.0MΩ~99.9GΩ	±(10%+10)
		100G~999GΩ	±(20%+20)
	12000V	1000GΩ~10TΩ	for reference only
		12.0MΩ~99.9GΩ	±(10%+10)
		100G~999GΩ	±(20%+20)
			1000GΩ~10TΩ
Output voltage	500V	0~+10%	
	1000V	0~+10%	
	2500V	0~+10%	
	5000V	0~+10%	
	10000V	-5~+10%	
	12000V	-5~+10%	
Load current	500V (R=500kΩ) 1mA	0%~+20%	
	1000V (R=1MΩ) 1mA	0%~+20%	
	2500V (R=2.5MΩ) 1mA	0%~+20%	
	5000V (R=5MΩ) 1mA	0%~+20%	
	10000V (R=10MΩ) 0.15~1.2mA	0%~+20%	
	12000V (R=12MΩ) 0.15~1.2mA	0%~+20%	
DC voltage measurement	30V~1000V	±(3%+5)	
AC voltage measurement	30V~750V (50~60Hz)	±(3%+5)	
Features			
PC software for data analysis	√		
Backlight Function	√		
Date storage	999 sets of data		
Dielectric Absorption Ratio (DAR)	0.00~999		
Polarization Index (PI)	0.00~999		
Power	1.5V alkaline batteries (LR14) X 10, power adaptor		
Display	71mm x 34mm		
Product color	Red and grey		
Product net weight	6.6kg		
Product size	410mm x 342mm x 204mm		
Standard accessories	User manual, Test leads (red/black/green 1 each), USB cable, power adaptor, 1.5V alkaline batteries		
Standard individual packing	Gift box, tool box		
Standard quantity per carton	1pc		
Standard carton measurement	510mm x 320mm x 420mm		
Standard carton gross weight	10.2kg		