

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

- 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

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

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 adaptor
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