

# DIGITAL INSULATION TESTER

# MG500

## APPLICATIONS AND FEATURES

This instrument is a DC insulation resistance tester to measure the insulation resistance of a power line and power equipment within the range of 600 V under CAT III.

- Test voltage DC500V/250V/125V
- Bargraph just like analog meter
- Short circuit current up to 2mA
- Large display with backlight
- Auto discharge function
- Data hold(Auto)
- Auto power save: Power save about 10 minutes after the last operation

## SPECIFICATIONS

	Measuring range	Best accuracy
MΩ(InsulationResistance)	4M/40M/400M/4000MΩ	±(3%+4)
Test voltage	500V/250V/125V	
ACV/DCV	600V(AC/DC Automatic detection)	±(3%+2)
Resistance(Ω)	4000Ω(Buzzer and ALARM indicator)	±(3%+3)
	40Ω	±(3%+10)

Measuring method	Average sensing
Display	4200 counts
Range selection	Auto range
LCD	4200 count with log bar graph
Over display	"OL" indication on LCD V function: 780V or over MΩ, 4000Ω, 40Ω function: Approx. 4200 count or over
Sampling rate	2 times / sec
Accuracy assurance temperature / humidity	23±5°C 45% to 75%RH No condensation
Operating temperature / humidity	0°C~40°C 85%RH or below No condensation
Storage temperature / humidity	-10°C~50°C 70%RH or below No condensation
Operating environment	Altitude 2000m or less, environmental pollution degree II
Power consumption	Approx. 7mA(At V range)
Battery consumption	" " lights or flickers at about 7.7V-7.2V or below
Safety standards	IEC61010-1 CAT.III 600V, IEC61557-1/2/4, IEC61326 (EMC), IEC60529-IP54, IEC61010-031 (TL-112a)
IP rate	IP54
Battery	LR6 x 6
Size / Mass	H170 x W142 x D57mm / 600g(Batteries included)
Standard accessories included	Test lead(TL-112a), Strap(ST-50), Instruction manual



A battery for monitoring has been installed prior to shipment from the factory. It may be discharged before the expiration of the described battery life. This battery is used to check the functions and performance of the product. Specifications and external appearance of the product described above may be revised for modification without prior notice.

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