

ANALOG INSULATION TESTER

DM509S

APPLICATIONS AND FEATURES

This instrument is a DC insulation resistance tester to measure the insulation resistance of electric lines and electric equipment.

- Test voltage DC500V
- One-shot or continuous measurement push switch
- DCV measurement range(DC60V)
- Auto discharge function
- Inner battery check range
- ACV measurement range

SPECIFICATIONS

	Measuring range	Best accuracy
MΩ (InsulationResistance)	500V/1000MΩ	1st effective measurement range : $\pm 5\%$ of full scale 2nd effective measurement range : $\pm 10\%$ of full scale
DCV	60V	$\pm 5\%$ of full scale
ACV	600V	$\pm 5\%$ of full scale
Rated measuring current	1~1.2mA	

Meter type	Internal magnet, Taut-band meter(24μA)
AC rectifier form	Half-wave rectification(Mean value indication rms value converted)
Accuracy assurance temperature / humidity	23±5°C 75%RH or below No condensation
Operating temperatur / humidity	0°C~43°C 80%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. 2.0W~2.8W(At 500V/100MΩ range)
Battery consumption	Checked by BATTERY CHECK range
IP rate	IP20
EN61010-1 CAT.II	1000V
EN61010-1 CAT.III	600V
Battery	6LR61(9V) x 1
Size / Mass	H144 x W99 x D43mm / 310g
Standard accessories included	Test lead(TL-509S), Carrying case(C-09S), 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.

**COSINUS Messtechnik - Ihr Partner für Messlösung
in allen elektrischen und physikalischen Anwendungen**

COSINUS Messtechnik GmbH

Rotwandweg 4

82024 Taufkirchen

Tel.: 089 / 66 55 94 - 0

Fax: 089 / 66 55 94 -30

office@cosinus.de
www.cosinus.de