

MULTI

DIGITAL INSULATION RESISTANCE TESTER

Model : MIS-4D

125V/ 20M Ω , 250V/ 50M Ω

1000V/2000M Ω



CE

FEATURES

- The big digital and bar graph LCD display with back light enabled easy observation. Especially useful when working in dark place.
- Hand free and continuous measurements with custom made switch.
- Safe design with built in automatic discharging function for any capacitors present in the circuit.
- The voltage in the circuit or capacitor can be checked by warning lamp for safe insulation measurements.
- Data hold and auto power off function.
- Compact, light weight and heavy duty rugged case.

SPECIFICATIONS

Function	: Insulation resistance, AC voltage
Display	: 3.5 digit LCD with bar graph display, max. reading of 3200 count and annunciators
Safety standard	: IEC 61010-1, Installation category II, 600V phase to earth.
E.M.C. standard	: EN 61326
Response time	: Less than 5 sec. (Auto ranging)
Data hold indication	: "DH" mark on LCD readout
Infinity indication	: "OL" mark on LCD readout (Over 3200 count)
Constructional standard	: In accordance with IEC1557-2 or JIS C1302 (1994)
Withstanding voltage	: AC 3700V, 1 minute (Between input terminal and outer case)
Overload protection	: 120% of the highest nominal output voltage (10 sec.)
Battery check	: DC 6.3V~9.5V
Low battery indication	: Battery mark on LCD readout
Temperature characteristics (0~40°C)	: $\pm 5\%$ rdg of specified accuracy
Storage temperature	: 0°C to 40°C, 80% RH max. (Without condensation) -10°C~60°C, 80% RH max (Without condensation)
Power supply	: 1.5V (AM-3,R6 or "AA" size) $\times 6$ Size : 170 (W) $\times 105$ (D) $\times 54$ (H)mm
Weight	: Approx. 365g (Excluding batteries)
Accessories	: Line test lead...1, Earth test lead... 1, Batteries...6, Test lead case...1, Belt... 1, Instruction manual...1
Optional accessory	: Test probe with remote switch

Measuring Ranges and Technical Data

Insulation resistance measurement

Model	MIS-4D
Rated voltage & effective measuring range	125V-20M Ω 250V-50M Ω 1000V-2000M Ω
Minimum measurable resistance at rated voltage	0.125M Ω 0.25M Ω 1M Ω
Rated current	1mA+20%-0%
Maximum no-load voltage	Rated voltage+30%-0%
Short circuit current	<2mA

Accuracy

Rated voltage	DC 125V	DC 250V	DC 500V	DC 1000V
Measuring range	0~20M Ω ~OL(∞)	0~50M Ω ~OL(∞)	0~100M Ω ~OL(∞)	0~2000M Ω ~OL(∞)
First effective range	0.02M Ω ~10M Ω < \pm 5%rdg	0.05M Ω ~20M Ω < \pm 5%rdg	0.1M Ω ~50M Ω < \pm 5%rdg	2M Ω ~1000M Ω < \pm 5%rdg
Second effective range	0.01M Ω ~0.02M Ω 10M Ω ~20M Ω < \pm 10%rdg	0.02M Ω ~0.05M Ω 20M Ω ~100M Ω < \pm 10%rdg	0.05M Ω ~0.1M Ω 50M Ω ~100M Ω < \pm 10%rdg	1M Ω ~2M Ω 1000M Ω ~2000M Ω < \pm 10%rdg
Other range	100M Ω ~OL(∞) :Accuracy is not Specified			

AC voltage (50/60Hz)

Range	Accuracy	Input impedance	Maximum input voltage
AC 600V	\pm 2.5% of full scale	Approx. 20M	AC 600V rms



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