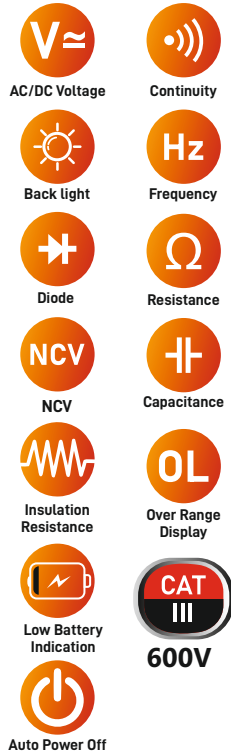


DIGITAL INSULATION MULTIMETER

DIM-1504



Performance with Precision



FEATURES :

- ☒ 3⁵/₅ DIGITS
- ☒ 5,999 COUNT
- ☒ TRUE RMS
- ☒ INSULATION RESISTANCE
- ☒ DUTY CYCLE
- ☒ DATA HOLD
- ☒ AUTO RANGE SWITCHING
- ☒ DUAL INTEGRAL A/D CONVERSION INTEGRATED CIRCUIT
- ☒ POLARIZATION INDEX (PI) FUNCTION
- ☒ ABSORPTION RATIO FUNCTIONS

INSULATION TESTER TECHNICAL SPECIFICATIONS

RATED VOLTAGE	MEASUREMENT RANGE	ACCURACY
100V	0.1MΩ~2GΩ	± (3%+5)
250V	0.25MΩ~5GΩ	0.25MΩ~399.9MΩ : ± (3%+5)
500V	0.5MΩ~10GΩ	0.4MΩ~2GΩ : ± (5%+5)
1000V	1MΩ~20GΩ	2.001GΩ~10GΩ : ± (8%+5)
2500V	2.5MΩ~50GΩ	10.01GΩ~50GΩ : ± (10%+5)

DISPLAY RANGE

VOLTAGE	DISPLAY RANGE (AUTO RANGE)	RESOLUTION
100V	4M/40M/400M/2GΩ	0.001M~0.001GΩ
250V	4M/40M/400M/4G/5GΩ	
500V	4M/40M/400M/4G/10GΩ	
1000V	4M/40M/400M/4G/20GΩ	
2500V	40M/400M/4G/40G/50GΩ	0.01M~0.01GΩ

MEASUREMENT TERMINAL CHARACTERISTICS

RATED VOLTAGE	DROP-OFF RESISTOR	SHORT CIRCUIT	ALARM RANGE
100V	0.2 MΩ	≥1mA	Buzzer alarm when<0.2 MΩ
250V	0.5 MΩ		Buzzer alarm when<0.5 MΩ
500V	1 MΩ		Buzzer alarm when<1 MΩ
1000V	2 MΩ		Buzzer alarm when<2 MΩ
2500V	2 MΩ		Buzzer alarm when<5 MΩ

Allowable Range of Open Circuit Voltage : RATED VOLTAGE 90%~110%

DIODE AND CONTINUITY TESTING

RANGE	DISPLAYED VALUE	TEST CONDITION
→	Approx forward voltage value of the diode	Forward direct current is approx 1mA, Reverse direct current Voltage is approximately V
•••	The buzzer inside the device sound when the on-resistance is less than approx 50Ω	Open circuit voltage about 1V

Overload Protection : 250V DC or AC peak. Warning : for Safety, do not input voltage in this range!

MULTIMETER TECHNICAL SPECIFICATIONS

DC VOLTAGE

RANGE	RESOLUTION	ACCURACY
6V~1000V	0.001V~1V	±(0.5%+3)

Input Impedance : approx 10MΩ,
Max input Voltage : 1000V

AC VOLTAGE

RANGE	RESOLUTION	ACCURACY
6V~750V	0.001V~1V	±(0.8%+5)

Frequency Range : 40Hz~1KHz,
Input Impedance : approx 10MΩ

Max input voltage : 750V.

Display : True RMS (Sine Wave RMS Calibration)

RESISTANCE

RANGE	RESOLUTION	ACCURACY
600Ω~6MΩ	0.1Ω~0.001MΩ	±(0.5%+3)
60MΩ	0.01MΩ	±(2%+5)

Overload Protection : 250 VRMS

CAPACITANCE

RANGE	RESOLUTION	ACCURACY
1nF~10nF	0.001nF~0.01nF	±(3%+20)
100nF~1mF	0.1nF~1uF	±(3%+5)
10mF~100mF	0.01mF~0.1mF	±(8%+5)

Overload Protection : 250 VRMS

Measurement terminal chart : Drop off resistor : 5 ohms

POWER : AA 1.5V X 6

Dimension : H200 x W90 x D50 mm
Weight : Approx. 480 Gms.
Accessories : Test Lead, Protect Holster, Test Lead, Alligator Clip Test Lead, Manual & Battery.