



DT-5500

DIGITAL INSULATION TESTER

- | Hand held Battery Operation
- | Insulation Resistance Test Voltage 250V/500V/1000V
- | Insulation Resistance Range upto 2000MΩ
- | Displays Battery Voltage with Test Result
- | Continuous operation in "HANDS FREE" mode is also possible
- | Also measures Simple Resistance
- | Can measures AC/DC Voltage
- | Can conduct Continuity Test
- | Data Hold Function
- | Backlit Super Large LCD Display

DT-5500

Digital Insulation Tester

General Specifications

Environment conditions	Installation Categories II <ul style="list-style-type: none"> ■ Pollution Degree 2 ■ Altitude up to 2000 meters ■ Indoor use only ■ Relatively humidity 80% max. ■ Operation Ambient 0~40°C
Display	Large LCD with dual display
Measurement Range	200Ω, 200kΩ, 200MΩ/250V, 200MΩ/500V, 2000MΩ/1000V, 750V ACV, 1000V DCV
Sampling Rate	2.5 times per second
Zero Adjustment	Automatic adjustment
Over Range Indicator	Number 1 of highest digit is displayed
Low Battery Indication	The $\left[\begin{array}{c} + \\ - \end{array} \right]$ is displayed when the battery Voltage drop below the operating voltage
Operating Temperature	0°C to 40°C (32°F to 104°F) and Humidity below 80% RH
Storage Temperature	-10°C to 60°C (14°F to 140°F) and Humidity below 70% RH
Power source	DC9V (6x1.5V Size "AA" battery or Equivalent)
Dimensions	200(L) x 92(W) x 50(H) mm
Weight	Approx 700g include battery



Electrical Specifications

Accuracies are specified in the way : $\pm(\dots\%$ of reading $+\dots$ digits) at $23^{\circ}\text{C}\pm 5^{\circ}\text{C}$, below 80% RH.

OHMS

Range	Resolution	Accuracy	Max. open Circuit Voltage	Overload Protection
200Ω	0.1Ω	$\pm(1\%+2)$	4.5V	250Vrms
200kΩ	0.1kΩ		3.0V	

DC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
1000V	1V	$+(0.8\%+3)$	10MΩ	1000Vrms

Meg OHMS

Range	Resolution	Accuracy	Terminal Voltage
200MΩ/250V	0.1MΩ	$+(3\%+5)$	250V+10% ~ -0%
200MΩ/500V	0.1MΩ		500V+10% ~ -0%
0~1000MΩ/1000V	1MΩ	$+(5\%+5)$	1000V+10% ~ -0%
1000~2000MΩ /1000V			

Range	Test Current	Short circuit current
200MΩ/250V	1mA	$\leq 1\text{mA}$
200MΩ/500V		
0~1000MΩ/1000V	1MΩ	
1000~2000MΩ/1000V		

Continuity Beeper

Range	Resolution	Operation Resistance	Max.open Circuit Voltage	Overload Protection
•)))	0.1Ω	Resistance $\leq 40\Omega$	4.5V	250Vrms
Short circuit current		$\leq 200\text{mA}$		

AC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
750V	1V	$+(1.2\%+10)$	10MΩ	750Vrms

Accessories

Test leads, 6pcs battery, Carrying case, Instruction Manual, Test Certificate.

