



DT-5505 DIGITAL INSULATION TESTER


- | Hand Held Battery Operation
- | Insulation Resistance Test Voltage
125V/250V/500V/1000V
- | Insulation Resistance Range upto 4000MΩ
- | Displays Battery Voltage with Test Result
- | Continuous operation in "HANDS FREE" mode
- | Can measures Low Resistance
- | Measures AC/DC Voltage
- | Can perform Continuity Test
- | Data Hold Function
- | Backlit Super Large LCD with Analogue Bargraph



DT-5505

Digital Insulation Tester

General Specifications

Display	Large LCD with dual display
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  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	1.5V "AA" size Battery x 6
Dimensions	200(L) x 92(W) x 50(H) mm
Weight	Approx 582g



Electrical Specifications

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

OHMS

Range	Resolution	Accuracy	Max. open Circuit Voltage	Overload Protection
40.00 Ω	0.01 Ω	$\pm(1.2\%+3)$	5.8V	250Vrms
400.0 Ω	0.1 Ω		5.8V	

Continuity Beeper

Range	Resolution	Operation Resistance	Max. open Circuit Voltage	Overload Protection
•)))	0.01 Ω	Resistance $\leq 35\Omega$	5.8V	250Vrms
Short circuit current		$\geq 200\text{mA}$		

DC Voltage

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

AC Voltage (40Hz~400Hz)

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

Meg OHMS

Terminal Voltage	Range	Resolution	Accuracy	Test Current	Short circuit current
125V(0%~+10%)	0.125~4.000 M Ω	0.001M Ω	$\pm(2\%+10)$	1mA @load125k Ω	$\leq 1\text{mA}$
	4.001~40.00 M Ω	0.01M Ω	$\pm(2\%+10)$		
	40.01~400.0 M Ω	0.1M Ω	$\pm(4\%+5)$		
	400.1~4000 M Ω	1M Ω	$\pm(5\%+5)$		
250V (0%~+10%)	0.250~4.000 M Ω	0.001M Ω	$\pm(2\%+10)$	1mA @load250k Ω	$\leq 1\text{mA}$
	4.001~40.00 M Ω	0.01M Ω	$\pm(2\%+10)$		
	40.01~400.0 M Ω	0.1M Ω	$\pm(3\%+5)$		
	400.1~4000 M Ω	1M Ω	$\pm(4\%+5)$		
500V(0%~+10%)	0.500~4.000 M Ω	0.001M Ω	$\pm(2\%+10)$	1mA @load500k Ω	$\leq 1\text{mA}$
	4.001~40.00 M Ω	0.01M Ω	$\pm(2\%+10)$		
	40.01~400.0 M Ω	0.1M Ω	$\pm(2\%+5)$		
	400.1~4000 M Ω	1M Ω	$\pm(4\%+5)$		
1000V (0%~+10%)	1.000~4.000 M Ω	0.001M Ω	$\pm(3\%+10)$	1mA @load1M Ω	$\leq 1\text{mA}$
	4.001~40.00 M Ω	0.01M Ω	$\pm(2\%+10)$		
	40.01~400.0 M Ω	0.1M Ω	$\pm(2\%+5)$		
	400.1~4000 M Ω	1M Ω	$\pm(4\%+5)$		

Accessories

Carrying Case, Test Leads, Instruction Manual, Battery, Test Certificate.

Contact :

CEM INSTRUMENTS (INDIA) PVT. LTD.

32A, Ganesh Chandra Avenue, 4th Floor, Kolkata-700013

Tel: 033-22151376, 22159759

Email: info@cem-instruments.in / info@cem-india.com

Web: www.cem-instruments.in / www.cem-india.com

CEM INSTRUMENTS HEADQUATER & FACTORY

19th Building, 5th Region, Baiwangxin Industry Park,

Songbai Road, Baimang, Xili, Nanshan, Shenzhen,

China, 518108

Tel: +86-755-27353188, Fax: +86-755-27653699

