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Electronic Digital Earth Resistance Tester is direct replacement of the conventional hand generator type tester. It is designed for measurement of the resistance of earthing used in the electrical equipment as well as for measurement of ground resistivity. It can be used for measurements of the other low regular and liquid resistances. It can also be used for measurement of voltage AC, voltage DC and earth voltage.

This instrument finds wide application for testing earthing installation in power based industries, telecommunication networks and electrical traction systems etc.



DT-5300B
DIGITAL EARTH RESISTANCE TESTER



DT-5300B

Digital Earth Resistance Tester



Environmental Specifications

Earth resistance range	20Ω, 200Ω, 2000Ω
Display	Large LCD with dual display
Multimeter function Range	200kΩ, 750VAC, 1000VDC
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
Power	Auto Power Off
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	6x1.5V Size "AA" battery or Equivalent (DC9V)
Dimensions	200(L) x 92(W) x 50(H) mm
Weight	Approx 700g include battery

Electrical Specifications

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

Earth resistance

Range	Resolution	Accuracy
20Ω	0.01Ω	$\pm(2\%+10d)$
200Ω	0.1Ω	$\pm(2\%+3d)$
2000Ω	1Ω	$\pm(2\%+3d)$

Earth voltage

Range	Resolution	Accuracy
200V	0.1V	$\pm(3\%+3d)$

OHMS

Range	Resolution	Accuracy	Overload Protection
200kΩ	0.1kΩ	$\pm(1\%+2d)$	250Vrms

DC Voltage

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

AC Voltage

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

Accessories

Batteries, Instruction Manual, Test Leads, Spikes, Cables, Hard Carrying Case, Test Certificate.



Contact :

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