



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	20 $\Omega$ , 200 $\Omega$ , 2000 $\Omega$
Display	Large LCD with dual display
Multimeter function Range	200k $\Omega$ , 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  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:

$\pm(\dots\%$  of reading  $+\dots$ digits) at 23°C  $\pm$ 5°C, below 80% RH.

#### Earth resistance

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

#### Earth voltage

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

#### OHMS

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

#### DC Voltage

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

#### AC Voltage

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

### Accessories

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

