

## DIGITAL EARTH RESISTANCE TESTER

The MT330 is an ideal earth resistance tester for the measurement of earth rods and lighting conductors. Other ranges have been included such as AC voltage measurement up to 750V and DC voltage up to 750V, plus a 200kΩ resistance range. The large backlit dual display LCD indicates the range measured as well as the battery voltage. The advanced circuit design permits the instrument to operate with minimum influence from earth voltage and earth resistance of auxiliary spikes. The double mould rubber injection housing ensures that the meter can handle the rough terrain when used in the field while performing earth tests.

### Features

- Earth Resistance 2000Ω
- Earth voltage to 200V
- Indicates if resistance of auxiliary spikes is within tolerance
- Direct readout of the earth resistance on the LCD display
- 750V AC, 1000V DC
- Overrange indicator
- Zero adjustment of leads
- Data Hold
- Overmould casing
- Dual LCD with backlight
- Ideal for earth rods and lightning conductors

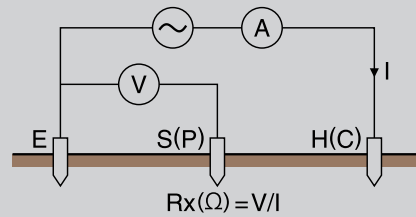
Function	Range	Accuracy
Earth Resistance	0.01Ω - 2000Ω	±(2.0% + 3)
Measuring Current	20Ω RANGE 3mA	
Earth Voltage	0.1V - 200V	±(1.0% + 4)
Resistance	0.1KΩ - 200KΩ	±(1.0% + 2)
DC Voltage	1V - 1000V	±(0.8% + 3)
AC Voltage	1V - 750V	±(1.2% + 1)
Size	200 x 92 x 50mm	
Weight	582g	



MT330

## Principle of Earth Resistance Measurements

This instrument makes earth resistance measurements with fall-of-potential method, which is a method to obtain earth resistance "Rx" by applying AC constant current "I" between the measurement object "E" (earth electrode) and "H(C)" (current electrode), and finding out the potential difference "V" between "E" (earth electrode) and "S(P)" (potential electrode).



## LOOP & PSC



The MT350 is a handheld microprocessor controlled Loop Impedance and PSC Tester, which includes 3 loop impedance measuring ranges capable of measurements from any point in the installation for comprehensive testing of distribution systems. The MT350 gives a direct readout of PSC and earth fault current to a maximum of 20kA in 3 measuring ranges. Other features include 3 LED's for checking the correct wiring status of the circuit under test and the automatic lockout if the resistors overheat. The meter is supplied in double injection rubber housing.

### Features

- Custom microprocessor controlled for highest accuracy and reliability
- Loop impedance of 2000Ω range measurement is carried out with low test current (15mA)
- Automatic Lock-Out if Test Resistor Overheats
- Direct readout of Prospective Short Circuit Current and Earth Fault Current
- Measures low loop impedance of 0.01Ω
- 3 LED's for checking correct wiring status
- Safe voltage measurement function
- Visual indication of reversed phase and neutral at wiring socket
- Double injection rubber housing

Function	Range	Accuracy
Loop Impedance	0.01Ω - 2000Ω	±(2.0% + 5)
AC test current	20Ω - 25A 200Ω - 2.3A 2000Ω - 15mA	±(2.0% + 5)
PSC Range	0.1A - 200A (2.3A 20mS) 1A - 2000A (25A 20mS) 10A - 20KA (25A 20mS)	±(2.5% + 4)
AC Voltage	50V - 250V	±(2.0% + 5)
Size	200 x 92 x 50mm	
Weight	700g	



MT350