

Ground / Earth Continuity Tester

Features

- Test ON / OFF by toggle switch.
- Test Pass & Fail indication at front panel.
- 3½ digital meter for mili ohm ($m\Omega$) indication.
- 3½ digital meter for Ammeter (A~) indication.
- 3½ digital meter for Voltmeter (V~) indication.
- Timer to set testing duration.
- Test port at front panel.
- Test ON by push button.
- Output through the high current wire and Earth pin of the 3-pin socket.



The Ground / Earth continuity tester works with the test current of the sinusoidal waveform. The typical test current severity is 30A. Meters indicate test current, the voltage drop across the ground path, and $m\Omega$ resistance of the ground path. The main purpose of this test is to detect a totally open or loose ground connection.

Technical Specifications

Model	ZMGCT
Input Power Supply	230 V AC, $\pm 10\%$, 50 Hz
Resistance Measurement Range	0 to 200 milli Ohm
Test Current	30 A AC
Open circuit voltage	6V, AC
Current Waveform	Sinusoidal
Acceptable setting	By press to set switch & Potentiometer, using digital milli Ohm meter
Programmable Timer	1 to 60 sec
Metering	3 ½ digit Digital V , A and milli Ohm meter
Indication Accuracy	V: 1.5% of reading
	A: 1.5% of reading
	$m\Omega$: 1.5% of reading ± 5 digit
Accuracy of trip resistance	$\pm 5 m\Omega$
Indications	Test Pass, Test Fail Test ON & Test OFF
Accessory	Mains Cord
Method of measurement	Passing a constant AC current (10A) and measuring a voltage drop across the resistance to be measured.
Dimensions	480mm(W) x 350mm(D) x 250mm(H)
Weight	20 kg approx.

Dimensional Details Drawing

