



## LUMETRON EC-12 Earth Bond Test Set



The Earth bond test is a basic safety test prescribed in many standards to test samples for the integrity of earthing continuity throughout the sample. The **LUMETRON EC-12 Earth Bond Test Set** from Lumetronics is designed to perform this test. It allows to check the contact resistance between accessible metal parts of the Unit Under Test (U.U.T.) and Earth by passing a high current and measuring the resultant voltage drop. It's rugged construction enables either industrial or laboratory use. The use of precision parts and components provides accurate results.

### Features

- \* Self contained unit requiring a 230 V 50 Hz AC, single phase supply.
- \* Precision digital meters for indicating Voltage and Current.
- \* Heavy duty output supply with current limiting.
- \* Circuit breaker protected in case of output over current.
- \* Impact resistant, spring loaded output probe with copper tip.

### METHOD OF TEST :

The U.U.T. is placed on an insulating surface. The EARTH terminal of the **LUMETRON EC-12** is firmly fixed to the main Earth terminal of the U.U.T. The spring loaded OUTPUT probe of the **EC-12** is then connected to various accessible metal parts of U.U.T. and a high current is passed between 'OUTPUT' and 'EARTH'. Measuring the voltage drop between these two points and the current flow will indicate the Earth Contact Resistance.

### Specifications

<b>Test Voltage</b>	: 12 V AC
<b>Test Current Range</b>	: 0 - 30 A AC, Higher current versions on request.
<b>Voltage Indication</b>	: 3 ½ Digit DPM, LED Display
<b>Current Indication</b>	: 3 Digit DPM, LED Display.
<b>Accuracy</b>	: +/- ( 1 % + 1 digit )
<b>Supply</b>	: 230 V AC, 50 Hz, Single phase.
<b>Max. Fuse Rating</b>	: 2 A
<b>Weight</b>	: 22.5 Kgs. approximate
<b>Dimensions (mm)</b>	: 500 W x 280 D x 360 H