

DIGITAL EARTH RESISTANCE TESTER



The **2120 ER** is a "professional Instrument". The instrument is suitable for the testing of single earth electrodes such as lightning conductors and other small earthing systems.

The resistance of conductors such as continuity and conduit coupling joints can also be measured.

Two-terminal operation measurement, which reduces the accuracy, can also be done by shorting P and C terminals.

Earth resistance can be measured directly from 0.01 ohms up to 1999 ohms. The reading is displayed on a large, easy-to-read digital display. The 2120 ER makes measurements by passing a constant current through the device under test (generally a conductor or low resistance) and measuring the voltage across it. The earth resistance is then calculated by Ohm's Law.

It has an advanced circuit design that permits the instrument to operate with the minimum influence from earth voltage and earth resistance of the auxiliary spikes.

The test frequency is 820Hz.

- Measures down to 0.01Ω.
- 3 Earth ranges: 20Ω, 200Ω, 2000Ω.
- One Test Current of 2mA_{RMS}.
- Indicates if resistance of auxiliary spikes resistance is within range.
- Two or three-terminal measurement.
- Three-terminal measurement for earth electrode testing.
- Large LCD display.
- Data hold function.
- Calibration performed with supplied test leads (3T fully compensated).
- Measures earth voltage up to 200Vac.
- Simple to use and low power.
- Open loop indication with "1"(MSD) on display and LED light off.
- Lightweight, robust & compact.
- Low battery indication.
- Adjust the 0Ω Null control to set the reading to zero
- Standard Accessories for 3T and 2T.

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