



Lamp Post Logger

FEATURES

- **Portable**
- **Battery and Charger**
- **Six LCD Displays**
- **Applies 5 Currents**
- **Displays Icorr & Ecorr**
- **Automatic**

APPLICATIONS

- **Column Root Corrosion**
- **Standard Test**
- **Safety Testing**
- **Other Soil Corrosion**
- **Galvanostatic Use**

DESCRIPTION

A portable meter to measure the corrosion rate of metal lamp posts in the ground.

The system applies small controlled currents in a fixed sequence and measures the potential variation from which the column root free corrosion potential is taken. The measurement sequence is automatic on a start button. Each measured value is displayed on six LCD displays on the front panel. The case used is a waterproof 'peli' diver's case.

External connections are made to a/ the column, b/ a driven stainless steel pin and c/ a Cu/CuSO₄ reference electrode. The system is light and portable with built in battery and battery charger.

Currents applied during the test sequence are 0.5, 1, 2, 5 and 10 mA. The sequence consists of measuring Ecorr followed by a routine of current application identical for each current step, i.e. apply each current, measure potential responses, calculate Icorr and display. The negative current is applied for 1 minute, then the positive current for one minute. The resulting Icorr is held on one of the 6 LCD's and the test progresses to the next current. When all are done the test stops and I corr is displayed on each LCD until the start button is pushed again or the instrument is turned off.

A novel meter to perform a specific test, light and easy to use.

Case type: Waterproof small diver's case.

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