

32185 CONDUCTIVITY INDICATOR

Purpose:

This low voltage device permits introductory level investigations of electrical conductivity.

Assembly:

Two D-cell batteries need to be installed. To install, remove the four screws and lift the lid. The positive end of the battery that is put closest to the top of the unit should point toward the unit's lamp. Install the second battery in the opposite direction.

Procedure:

This unit is designed to operate in two modes, as follows:

1. Switch on the **“LIGHT”** mode. This position allows the intensity of the lamp to vary as an index of conductivity.
2. Switch on the **“ON”** mode. This is the external mode and requires the hook up of a milliammeter to the unit. The ammeter is to be connected to the appropriate external terminals on the unit.

Caution: Before storage of the unit, be certain the switch is in the “OFF” mode. This will prevent accidental battery discharge.

Time Allocation:

To prepare this product for an experimental trial should take less than five minutes. Actual experiments will vary with needs of students and the method of instruction, but are easily concluded within one class period.

Feedback:

If you have a question, a comment, or a suggestion that would improve this product, you may call our toll free number.