

**EPT 01**  
**EARTH BOND RESISTANCE TESTER**  
IEC 60335-1 / IEC 60598-1



**SECOM**

## EPT 01

# EARTH BOND RESISTANCE TESTER

IEC 60335-1 / IEC 60598-1

## Equipment Description

In the manufacture of all electrical products, and especially when we are talking about appliances and lighting, there is a liability for the manufacturer to ensure electrical safety of their products.

To achieve this international standard used in our country, such as the IEC 60335-1 and similar electrical appliances, General Requirements, Safety and IEC 60598-1 Luminaires, general requirements and tests, provide for the production of such trials minimum should be made to ensure this security.

The **IEC 60335-1 in Annex A**, provides the following tests at 100% of the production:

**Earth continuity test** (pat) with a current of not less than 10 A and a load voltage not exceeding 12 Vdc or Vac, for those Class I equipment (Class II and III are excluded).

In the case of the lights, **IEC 60598-1**, provides in **Annex Q**, the following activities:

**Earth continuity test** (pat) with a current of not less than 10 A and a voltage gap between 6 and 12 Vdc or Vac, for those Class I equipment (Class II and III are excluded).

The acquisition and control system is based on a next-generation microcontroller mounted on a plaque selection, filtering, signal processing and measurement, owner. The board is linked to a LCD display which can display all options of the system (settings, test results, etc).

Optionally provided Verification Set, which allows you to control the proper functioning of equipment.

The equipment is delivered with its Calibration Report traced to national standards and a user manual for use.

The components used in the design ensures an excellent quality of work.



## Technical Characteristics

- Power Supply: **220Vca, 50Hz** (115Vca optional)
- Voltage Test: **12 Vca.**
- Current Test: **25 Aca.**
- Display LCD.
- Totally controlled by microcontroller.
- To test equipment: **Clase I.**
- **Verification Set** (opcional).
- Weight: **20 Kg.**
- Dimensions:
  - Height: 350 mm
  - Width: 350 mm
  - Depth: 300 mm
- De acuerdo a la norma: **IEC 60335-1 Anexo A.**
- De acuerdo a la norma: **IEC 60598-1 Anexo Q.**

SECOM reserves the right to change the specifications or design without prior notice.



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