Leakage Current Measurement

(IEC 60335-1 / IEC 60990)

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.

According to IEC 60335-1, "...At the temperature of operation, the leakage current of the device should not be excessive, and the dielectric strength should be appropriate ..."

Compliance is verified by the tests of paragraphs 13.2 and 13.3.

Paragraphs 13.2: The leakage current is measured by means of the circuit described in figure 4 of IEC 60990 between any pole of the supply and accessible metal parts connected to metal foil having an area not exceeding 20 cm × 10 cm which is in contact with accessible surfaces of insulating materials.

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).

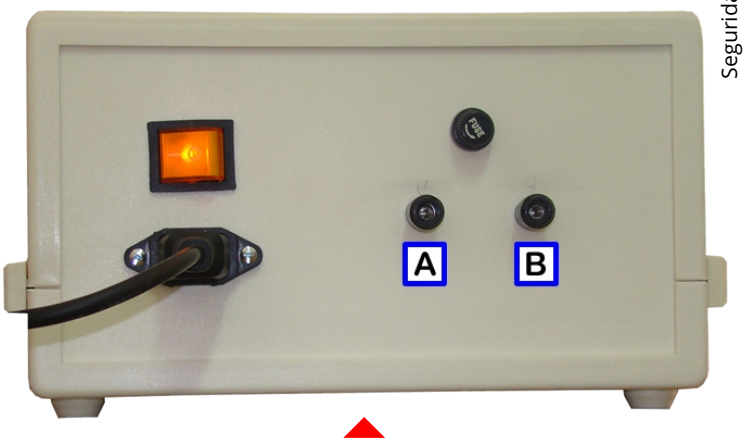
Optionally provided Verification Set, which allows you to control the proper functioning of equipment.

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, 50 Hz, single-phase (115 Vac optional).
- Measurement Unit:
  - Current: mAca.
  - Voltage: mVca.
- Display LCD.
- Totally controlled by microprocessor.
- You can see: Voltage or Current.
- Circuit: figure 5 of IEC 60990 (optional others circuits) .
- Verification SET (optional).
- Dimensions: 260mm x 200mm x 140mm(h)
- Weight: 1,85 Kg
- According to: IEC 60335-1.
- According to: IEC 60990.



Back view

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