

**EFL 51**  
**HIPO T for ELECTRICAL SAFETY**  
**TEST of HOME APPLIANCES**

IEC 60335-1 Annex A / IEC 60598-1



**SECOM**

# EFL 51 | HIPOT for ELECTRICAL SAFETY TEST of HOME APPLIANCES

IEC 60335-1 Annex A / IEC 60598-1

The equipment **EFL 51** is used for the tests of the basic parameters of electrical safety in the end of lines of producing plants of household-electric, electronic equipment, lights, machines tools, etc of high volume.

The **EFL 51** can make this test **this test**:

- **Short Circuit.**
- **Ground Bond Test.**
- **Insulation Resistance.**
- **Dielectric Strength.**  
+ Class I: 1000 Vac.
- **Watt Measurement of the equipment Under Test (DUT).**

The **Dielectric Strength** testing is done passively. I mean, not runs the equipment under test.

The system of acquisition and control of data, is based on a microcontroller of last generation mounted on a electronic board development for SECOM: selection, filtrate, processing and measurement of signals.

This board is linked to an internal PC, which runs software responsible for the administration and control of the entire system.

The system has a **19" LED** monitor to be able to view and control the entire system.

The **EFL 51** equipment is a data Acquisition, Processing, Control and Management system, which allows you to store all the results in a database and then generate daily/monthly/annual production reports, statistical graphs, thus obtaining all the information and trends necessary for the administration of the production control system.

It also allows you to print labels (printer not provided) identifying the product and the results of the tests carried out. Both the equipment and this platform were designed for simple and dynamic handling.

The equipment is given with its Report of calibrations drawn up to national patterns (of optional way) and a user manual for its use.

The AC Hipot Tester **EFL 51** includes **EVERYTHING** you need for daily work. You only need to connect to 220Vac.



## Technical characteristics

- Power Supply: **220Vca, 50Hz** (115Vca opcional)
- Case (box) Self-supporting with wheels.
- Internal PC with Windows 11 OS.
- Monitor 19" LED.
- Totally controlled by microprocessor.
- To test apparatus **Class I** up to **10A** .
- Include **CCP 03** - Test Verification Box (Daily Checker).
- Dimensions:
  - Width: 550mm
  - Depth: 550mm
  - Height: 1160mm
  - Height with monitor: 1740mm
- Weight: 60 Kg approx.
- According to: **IEC 60335-1 Annex "A"**.

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



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## Software Characteristics.

- Save records of the tests performed.
- Generate Tests List.
- Generate statistical analysis with bar graph.
- Generate reports of:
  - Calibrations performed.
  - Configurations made.
  - Tests carried out.
  - Adjustments made to the equipment.
  - Backups made or canceled.
  - Statistical analysis.



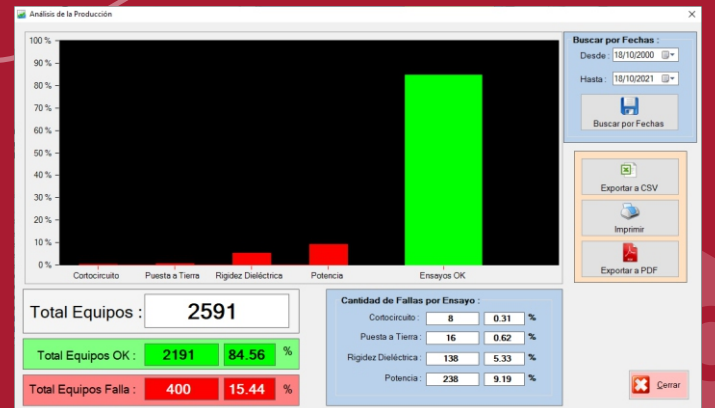
- All the reports can be exported to archives .PDF (to send them by email).
- All the reports can be exported to archives .CSV (to work them in any spreadsheet).
- On-line Counters:
  - Equipment Tested.
  - Equipment with Faults.
  - Equipment OK.
  - Faults by tests.
- Statistical analysis in real time.



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- It allows to calibrate the equipment in plant.
- It allows to fit the equipment in plant.
- It makes backup daily of the data.
- It allows to take the Trazabilidad of all the made Calibrations.
- It allows to take the Trazabilidad of all made Adjusts.
- Impression of labels (Thermal printer of labels **NOT include**).
- Reader of bar code (Barcode scanner **NOT include**).
- Impression of reports.
- **Configurations:**
  - Setting of Time of each test.
  - Setting of Minimum and Maximum limits of each test.
  - Setting of Test to make.



## Make test of:

- Short Circuit.
- Ground Bond Test.
- Insulation Resistance.
- Dielectric Strength:
  - Class I: 1000 Vac.
- Watt Measurement of the equipment Under Test (DUT).
- Only authorized personnel can have access to the adjustment of the equipment, through user and password.
- Windows 11 Home OS.

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