EFL 51 HIPOT for ELECTRICAL SAFETY TEST of HOME APPLIANCES

IEC 60335-1 Annex A / IEC 60598-1







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 Strenght.
- + Class I: 1000 Vac.
 Watt Measurement of the equipment Under
 Test (DUT).

The Dielectric Strenght 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.

 $\ensuremath{\mathsf{SECOM}}$ reserves the right to change the specifications or design without prior notice.



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".

Calle 2106 N° 7411 (Camino Viejo a Soldini al 3790) phone. +54 9 341 3080258 | info@secomtesters.com www.secomtesters.com

EFL 51 | HIPOT for ELECTRICAL SAFETY TEST of HOME APPLIANCES

IEC 60335-1 Annex A / IEC 60598-1

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.



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



4	Registros x Página :	50	Página: 1 de	52		Total de	de Ensayos Encontrados :		2587	-	
r	Fecha	Código	Producto	N' de Serie	P. a Tierra	Rigidez Dieléctrica	Potencia	Cortocircuito	Usuario	^	Exportar
461	15/10/2021 10:07:50	ES2020A	Plancha	00020	725.0	-		OK	SECOM	_	
460	15/10/2021 10:02:56	ES2020A	Plancha	00020	725.0	-	-	OK	SECOM		Página Actual
459	15/10/2021 10:01:57	ES2020A	Plancha	00019	725.0	-	-	OK	SECOM		Todas las páginas
458	15/10/2021 10:00:56	ES2020A	Plancha	00018	-	-		FALLA	SECOM		
457	13/08/2021 10:27:36	CH2020A	SECOM 220	00636	-	-	4	-	SECOM		
456	13/08/2021 10:26:46	CH2020A	SECOM 220	00635	-		1231	-	SECOM		
455	06/08/2021 17:14:22	CH2020A	SECOM 220	00634	-		1231	-	SECOM		
454	06/08/2021 17:06:46	CH2020A	SECOM 220	00633	-	-	1231	-	SECOM		Exportar a CSV
453	06/08/2021 17:06:32	CH(2000B	Heladera 2020	00632	-	-	1231	-	SECOM		Exportar a PDF
452	16/07/2021 16:28:53	CH20008	Heladera 2020	00041	-	246	1231	OK	SECOM		
451	16/07/2021 16:23:29	CH2000B	Heladera 2020	00040	-	246	1231	OK	SECOM		
450	16/07/2021 12:15:34	CH20008	Heladera 2020	00039	-	-		OK	SECOM		
449	16/07/2021 12:01:28	CH2000B	Heladera 2020	00038	-	-	-	OK	SECOM		
448	16/07/2021 11:37:41	CH20008	Heladera 2020	00037	-	-	-	OK	SECOM		
447	06/07/2021 21:14:43	ES2020A	Plancha	00659	0.0	144	9	OK	SECOM		
446	06/07/2021 20:17:47	ES2020A	Plancha	00658	-	-	-	FALLA	SECOM		
445	06/07/2021 20:16:59	ES2020A	Plancha	00657	0.0	144	9	OK	SECOM		
444	06/07/2021 02:59:37	ES2020A	Plancha	00656	66,3	154	9	OK	SECOM	Imprimir página actual	
443	06/07/2021 02:58:57	ES2020A	Plancha	00655	0.0	154	734	OK	SECOM		
442	06/07/2021 02:18:06	ES2020A	Plancha	00654	77,3	385	738	OK	SECOM		
441	06/07/2021 02:17:40	ES2020A	Plancha	00653	74,9	385	741	OK	SECOM		
440	06/07/2021 02:17:15	ES2020A	Plancha	00652	75,8	385	747	OK	SECOM		
439	06/07/2021 02:16:49	ES2020A	Plancha	00651	73,8	305	741	OK	SECOM		
438	06/07/2021 02:16:23	ES2020A	Plancha	00650	76,4	385	741	OK	SECOM		
437	06/07/2021 02:15:58	ES2020A	Plancha	00649	72,8	385	738	OK	SECOM	~	Imprimir Etiquet
	r por Fechas :		Buscar por :								
	sde: 18/10/2019	à	Nimero de Serie		ontenga :						

- 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 Strenght:
 - 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.

Calle 2106 N° 7411 (Camino Viejo a Soldini al 3790) phone. +54 9 341 3080258 | info@secomtesters.com www.secomtesters.com