

Electrical and functional test

MP500 MP510

Semiautomatic electrical safety tester

MP500 & MP510

Portable semiautomatic systems—consisting of one (MP500) or two (MP510) control boxes—designed to test single-phase powered appliances, rated with power up to 3 kVA (MP500) or up to 4,5 kVA (MP510).

The system is controlled by microprocessor and provided with LCD display allowing the configuration of different test programs for the different appliance to be tested. It can locally store up to 200 test programs and 100 test results. It is ready to be fitted to barcode reader. Serial interface for remote PC connection to manage, program and store data of performed tests.

Performed Tests

- Ground conductor efficiency
- Insulation resistance
- Dielectric strength (applied voltage)
- Residual current
- Electrical absorption, 50 or 60 Hz
- Leakage current (only with MP510)

MP500



MP510



Optional features and devices

Ground test probe

Calibration box

Barcode reader

On-board printer

Software for collecting data in external PC

ESC

Automatic electrical safety tester

ESC

ESC is an automatic test system housed in a metal cabinet (with or without castors) designed to test single-phase or three phase appliances having rated power up to 10kVA, with the possibility to supply the appliance with stabilized tension.

The system is provided with microprocessor controller and LCD display which allows the configuration of different testing programs for different appliance to be tested. The system can locally store up to 200 test programs and 100 test results. It is ready to be fitted to barcode reader. Serial interface for remote PC connection to manage, program and file data of performed tests.

Performed Tests

- Ground conductor efficiency
- Insulation resistance
- Dielectric strength (applied voltage)
- Residual current
- Electrical absorption, 50 or 60 Hz
- Short-circuit



ESC Test System



ESC three-Phase with satellites

Optional features and devices

Ground test probe

Calibration box

Barcode reader

On-board printer

Software for collecting data in external PC

Company Profile

Vacuum and Charging units

HC Refrigerants handling systems

Special Units

Vacuum and Charging Injectors

Refrigerant transfer pump

Pressure test units leak detectors

Preliminary evacuation

Electrical and functional test

Ultrasonic tube sealers

IPCS & IPCS PLUS

Electrical and functional test

CAR1000

Low TAKT Time Productivity System for appliance performance tests

CAR1000

CAR1000 system is designed to run performance functional performance tests on electrical equipment, in particular refrigerators and AC units of all kinds. It consists of a central control unit and a number of acquisition boxes placed near the products under test.

Each acquisition box monitors up to 3 temperatures as standard (or up to 5 as option) and the current of the unit under test (power load as an option).

The control unit reads the data collected by the acquisition boxes, stores the test data on a database, identifies the product model by identification code, and then compares the test data with the reference parameters for the model, in order to decide whether the unit has successfully passed the test or not.

The Pass/Reject result is displayed on the screen and stored in a database. The can be formatted in order to comply with the ISO 9000 standard framework.



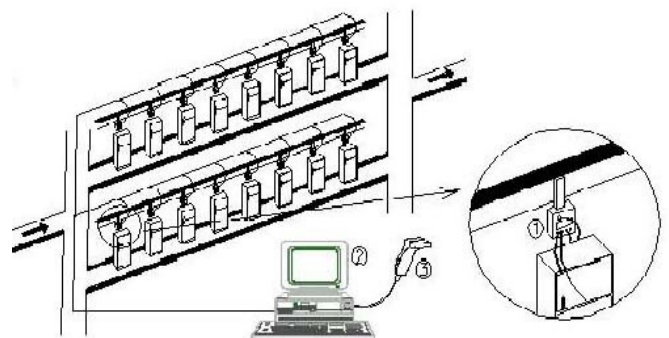
CAR1000 is available on the following versions:

- Moving Carousel, suitable for mass production lines of domestic appliances
- Batch Test

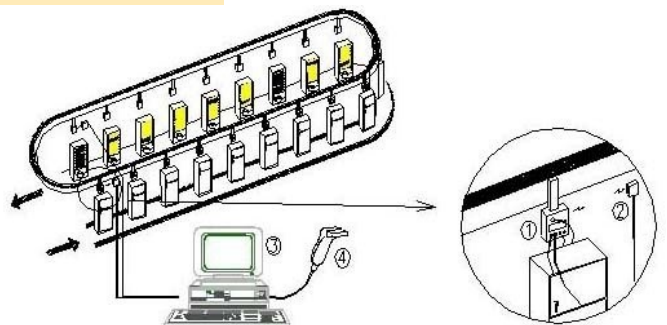
In the Batch Test version the products are tested in batches. The acquisition boxes are mounted in a fixed position, usually on a wall, and the items to test are placed next to them.

Once the test cycle is completed the products are removed and a new batch is connected to the test system. The acquisition boxes send the data to the control station via RS422 serial link. This version is more suitable for small and medium production lines.

Batch test



Moving Carousel



Technical Characteristics of the CAR 1000	
Personal computer and test management software	Company Profile
Keyboard or barcode reader for data input	
Printer for reports	
PC/box interface with relevant acquisition board	
PT100 probe for temperature detecting	
C-loop Data acquisition	
Dimensions: L = 550 mm, W = 600 mm, H = 1800 mm on cabinet	

Technical Characteristics of the Acquisition Box	
Acquisition Box Dimension: L = 400mm, W= 300mm, H = 350mm	Special Units
N. 2 NTC temperature probes (range -50 ÷ +100 °C, +/-1 °C), (up tp 5 as option)	
N. 1 amperemeter (or wattmeter as option) to measure the current or power absorption (0-10A +/-1 f.s.)	
N. 1 Schuko electric plugs 230 V, 50 Hz (other on demand)	
N. 1 magnetics and thermic switch device	
N. 1 safety connector	
N. 1 RS485 port + C-Loop connector	

Optional features and devices	
Nr. 1 Digital Input for Stop acquisition	Electrical and functional test
N. 6 DIP switch to identify the acquisition box (up to 128)	
Barcode reader	Ultrasonic tube sealers
Portable barcode reader for reading box code-D.U.T.code and transmission to the control unit through suitable interface (batch test)	

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