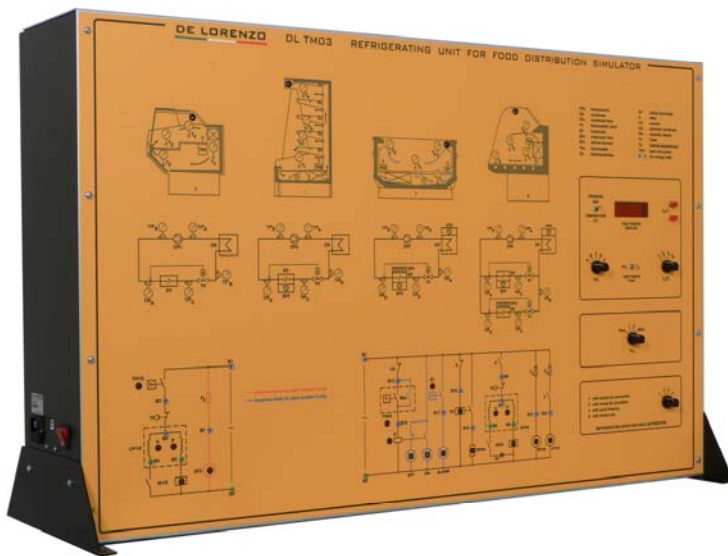




## REFRIGERATING UNIT FOR FOOD DISTRIBUTION



### DL TM03

The simulator allows the study, the performing of experiments and the troubleshooting for the following systems:

- Natural air circulation cabinet
- Forced circulation 5-level refrigerated cabinet
- Island for frozen food
- Mixed cold cabinet

These systems are reproduced on the panel, through a colour representation which allows a complete analysis of the fluid circuit, of its components and of the electrical/electronic circuit for control and regulation.

### TRAINING OBJECTIVES

It is possible to simulate the behaviour of components and systems, on the basis of the operating conditions which can be monitored directly on the panel or through Personal Computer by teacher and students.

The Personal Computer constantly keeps under control the simulation in progress and displays its behaviour through analog and digital signals and meters; in this way the student, through measurements and tests, can go on with the troubleshooting.

Dimensions: 0.66 x 1.04 x 0.35 m.

Net weight: 16 kg.

Average training hours: 10 h.

The system is supplied with a Student Navigator software that allows students to perform their learning activities through a Personal Computer, without the need for any other documentation.

Moreover, the Student Navigator is provided with an interface to the Laboratory Management software.

The mixed cold cabinet is composed of the following main elements:

- Hermetic compressor with thermal protection and intensity relay with starting condenser
- Forced air cooling condenser
- Two automatic thermostatic valves
- Forced air circulation evaporator and coil evaporator for the top
- Regulation thermostat
- Defrosting resistance, for the coil evaporator, controlled by a counting device
- Refrigerating fluid temperature/pressure test-points
- Possibility to check the level of the temperature inside the cabinet

### TECHNICAL DESCRIPTION

The natural air circulation cabinet is composed of the following main elements:

- Hermetic compressor with thermal protection and intensity relay
- Static condenser
- Automatic thermostatic valve
- Natural air circulation static evaporator
- Regulation thermostat
- Refrigerating fluid temperature/pressure test-points
- Possibility to check the level of the temperature inside the cabinet

The 5-level refrigerated cabinet is composed of the following main elements:

- Hermetic compressor with thermal protection and intensity relay
- Static condenser
- Automatic thermostatic valve
- Forced air circulation static evaporator
- Regulation thermostat
- Refrigerating fluid temperature/pressure test-points
- Possibility to check the level of the temperature inside the cabinet

The island for frozen food is composed of the following main elements:

- Hermetic compressor with thermal protection and intensity relay with starting condenser
- Forced air cooling condenser
- Automatic thermostatic valve
- Forced air circulation static evaporator
- Regulation thermostat
- Defrosting resistor controlled by a counting device
- Refrigerating fluid temperature/pressure test-points
- Possibility to check the level of the temperature inside the cabinet