

CONTROL PANEL

Microprocessor control panel with **colour 4.3" LCD touch screen and keys**

Setting and visualization with **0.1 resolution**

Display showing cabinet temperature, set point, date, hour, equipment model and electronic accessories

Continuous temperature monitoring

Real time temperature graph (to be activated by user)

Password protected power switch and settings

Digital **humidity sensor** (optional)

RS232/RS485 ports

Digital calibration of probes

In/out 4-20 mA converter module

Safety thermostat

Two independent **PT1000** probes, the first one to set and detect temperature, the other one to manage the alarm system and display temperature

Visual and audible alarms through buzzer sound, general alarm warning light and specific alarm warning icon on display.

Alarms of high and low temperature, open door, condenser efficiency, damaged probes, power failure at electricity recovery, power failure with recording of data and alarms generated by back-up battery (standard only on blood bank refrigerator and plasma freezer), damaged or flat battery

Memory of latest alarms shown on display

Back-up Battery to show temperature on display and to manage the alarm system in case of power failure

Remote contact (dry, volt-free) to connect the equipment to an external alarm

GSM module to send SMS alarms messages to mobile phones showing date, time, cabinet temperature and type of alarm. Possibility to send SMS messages from mobile phone to check correct functioning of equipment

LAN port to connect one or more appliances via Ethernet on PC to monitor working state

USB port to download temperature data and alarms and to upgrade or reset the appliance

Data logger to record temperatures and alarms. Download data on USB pen drive

