

Product technical data sheet

LABOR 140 ECT-F TOUCH

Cod. LAB0142

Medical Device EMDN V0899

General features



Disclaimer:

application.

Images are purely

products may differ according to model and

indicative. The features

and the accessories of the

Refrigerator destined to store and preserve pharmaceutical products, bacterial cultures, samples, analysis Intended use materials, chemical products, and other laboratory formulas, to support therapy and/or prevention in clinical centers, hospitals, pharmacies, and laboratories.

Temperature range Adjustable +2°C / +15 °C

Factory setpoint | Increment +5°C | 0.1°C

Ambient working class | Climatic From +16°C to +38°C | N-ST

Nominal capacity 140 lt (4,94 cu ft)

Gross capacity | Net capacity 153 lt (5,40 cu ft) | 128 lt (4,52 cu ft)

External dimensions (WxDxH) 52x63,5x93,5 cm Internal dimensions (WxDxH) 44x51,6x56 cm

Net weight without any internal 51 kg

fittings

Cardboard on pallet 55x69x113 cm | weight 59,5 kg Package dimensions | Weight

Wooden crate on pallet 60x77x124 cm | weight 70,5 kg

Monocoque type body, made of plasticized, non-toxic white steel interior/exterior, coated with a special antibacterial-type film, or in Structure inner 18/10 Aisi 304 stainless steel. Rounded corners and tray-type

High density (43 kg/m³) in-walls injected PUF, without any CFC, Insulation type

water-foam based.

Insulation thickness

Feet No.4 adjustable small feet

No.1 solid door with ergonomic handle, self-closing thanks to the Door

spring hinge and 90°stop position.

Full LED, all length of inner chamber, automatic switching on at Lightning door opening.

Energy saving functions Night & Day function

Customizable and height adjustable, it can mix independently: wire shelves supported by adjustable clips (dim.cm.40x49)

fully extractible drawers made of aluminium, with dividers

(WxDxH): cm 10x45x7,5 (nr 3 compartments)

fully extractible drawers made of aluminium, without dividers

(WxDxH): cm 33x45x7,5

Suggested internal fittings

Internal fittings

No. 2 wire shelves

Refrigeration system

Refrigeration	Professional, ventilated, forced, hermetic compressor type
Defrost	Automatic, adaptive, including condensate water vaporization
Refrigerant	Natural R290
GWP ODP	3 0

Electronic controller



Controller TOUCH controller

Electronic controller, FULL TOUCH SCREEN 7" display, resolution 0,1°C,

easily readable from the distance, with a real time temperature graph

and all operational data always available on the homepage.

Power switch Integrated in user's interface

Security features Settable user password

Visual and acoustic for temperature alarms failures such as:

High temperature Low temperature

Alarm system

Power failure, signaled when power is back.

Clogged condenser

Any functional failure/faulty parts

Latest 32 events displayed, 10 years data recorded on SD card and 1 Data and event recording

year on flash memory, downloadable from USB port

Settable temperature limits alarms

Type of controller

NTC type probes for controller board + PTI00 for DMLP monitor board Control sensors

(optional)

Safety thermostat Included, to prevent freezing and overheating

Connectivity for remote alarms Set-up on the electronic controller board, can be remoted on request.

transmission Modbus TCP/IP protocol available for data reading

Temperature recording Full recording of temperatures and alarms data

USB, SD and RJ45. Data export

Electrical and functional data

Standard power supply 230V/1ph/50Hz Standard plug type Schuko type "G"

Compressor protection Overload Protector included

Power absorption/current kW 0,14 (Amp 0,9)

Inrush current Amp 2,5 Noise level <40 dBA Heat emission according to EN 12900 W 25

Hold over time at 20°C ambient (air) 3,4 h (from +5C to +15°C)

Energy consumption at 20°C ambient 0,5 kWh/24h

Compliancy

The offered unit complies with Regulation (EU) 2017/745 and subsequent modifications and integrations, Risk Class I (All. VIII, Cap.

III, Reg. 2).

The equipment is also fully compliant with the specific requirements

of the norms:

Directive 2006/42/EC (Machines Directive),

Directives and regulations Directive 2014/30/EU (EMC),

Directive 2014/35/EU (LVD), Regulation (EU) 2024/573 (F-gas), Directive 2012/19/EU (RAEE)

Regulation (EC) n.1907/2006 (REACH)

Directive 2011/65/UE (ROHS II) including subsequent modifications and

integrations

Available certificate CE

Non-flammable, non-explosive, non-corrosive, with adequate air **Application environment**

exchange

Accessories available on request

	Accessories available of request
Visual and acoustic alarm for power failure	No.8 rechargeable batteries, AA, Ni-MH type, environmental friendly and easily replaceable, to feed power failure alarm
External contacts (Ethernet+ potential free) terminal board	
Electric-digital lock with password protection	Digital lock, the door is opened by touching an icon on the display. The function may be password protected. Mechanical release key supplied for emergency opening.
GSM module (including buffer batteries)	Plug-in module to notify on mobile phones, via sms, overall monitoring, alarms and failures of the refrigerator
Converter module type 4-20mA (including contacts terminal board)	External contacts included (this accessory excludes the installation of the GSM module)
Wi-Fi module	Plug-in module to connect to, monitor and manage the refrigerator wirelessly
Compliance kit to DIN 13277	Includes the electric digital lock, buffer batteries for power failure alarm signal and the external terminal board with potential free contact
DMLP TOUCH Digital Monitor	Visual, acoustic alarm and fully independent recording system, with accuracy 0,1 °C thanks to the PTI00 probes used for temperature detection. DMLP will take over alarming function when installed as integrated module on the Ect-f Touch controller board. The module is fed by standard rechargeable batteries (power failure alarm batteries included) to register temperatures and events even in case of power outage. Data download and their management are made possible by CAPTURE software, supplied on board on the SD card, through which tables and graphs are created
PT100 product temperature simulation probe	
FIOCCHETTI COLD EYES cloud monitoring	Annual monitoring service, Cloud based, featuring the notification of alarms and failures from pc thanks to a dedicated app, including SMS messages and emails, also allowing the full download of recorded data.
FIOCCHETTI LAN SUPERVISOR	Monitoring system allowing the supervision of one or several refrigerators thanks to the access to historical data and to present equipment status. It allows the creation and export of temperature graphs of selected periods or of specific hours. A single license enables the connection of up to 100 refrigerators installed in the same building and connected to the same net (e.g., a hospital).
Additional wire shelf kit	
Extractible drawer on telescopic slides	
Extractible drawer without inner dividers on telescopic slides	
Plexiglas front panel for extractible drawer	
One-way small castors	
Castors kit with brakes	
Internal Socket (no.1)	
35 mm access port with stopper	
Port hole mm 15	
Humidity sensor	
PT100 sensor with free contacts	
Mains voltage stabilizer	
Mains voltage stabilizer Non-standard plug and cable	
Non-standard plug and cable	