

Product technical data sheet

MEDIKA 140 ECT-F TOUCH

Cod. MED0142

Medical Device EMDN V0899

General features



Disclaimer:

application.

Images are purely indicative. The features

products may differ

and the accessories of the

according to model and

store and preserve destined to Refrigerator 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 55 kg fittings

Insulation thickness

Cardboard on pallet 55x69x113 cm | weight 63,5 kg Package dimensions | Weight

Wooden crate on pallet 60x77x124 cm | weight 74,5 kg

40 mm

Monocogue 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

inner bottom.

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

water-foam based.

Feet No.4 adjustable small feet

No.1 door made of tempered glass, triple thickness, self-closing thanks Door

to the spring hinge and 90°stop position.

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

door opening or from the display when the door is closed.

Energy saving functions Night & Day function

Customizable and height adjustable, it can mix independently:

wire shelves supported by adjustable clips (dim.cm.40x49) Internal fittings

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 No. 2 wire shelves

Refrigeration system

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

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:

Open door

High temperature

Alarm system Low temperature

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 year on flash memory, downloadable from USB port

Settable temperature limits alarms

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

board (optional)

Safety thermostat Included, to prevent freezing and overheating

Connectivity for remote alarms

transmission

Temperature recording

Data and event recording

Type of controller

Set-up on the electronic controller board, can be remoted on

Modbus TCP/IP protocol available for data reading Full recording of temperatures and alarms data

Data export USB, SD and RJ45.

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)

0,6 kWh/24h Energy consumption at 20°C ambient

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),

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

Directives and regulations

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

exchange

Accessories available on request

	Accessories available on 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).
Solid type door	Please refer to LABOR series
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	
Non-standard plug and cable	
Power 220V/60Hz	
Power 115V/60Hz	