Fiochetti

Product technical data sheet

MEDIKA 100 ECT-F TOUCH

Cod. MED0102

Medical Device EMDN V0899

General features







Disclaimer: Images are purely indicative. The features and the accessories of the products may differ according to model and application.

Refrigerant

Intended use	Refrigerator destined to store and preserve vaccines, pharmaceutical products, bacterial cultures, samples, analysis 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 class	From +16°C to +38°C N-ST	
Nominal capacity	100 lt (3,53 cu ft)	
Gross capacity Net capacity	126 lt (4,45 cu ft) 96 lt (3,40 cu ft)	
External dimensions (WxDxH)	52x63,5x81,5 cm	
Internal dimensions (WxDxH)	44x51,6x42,1 cm	
Net weight without any internal fittings	52 kg	
	Cardboard on pallet 55x69x100 cm weight 60,5 kg	
Package dimensions Weight	Wooden crate on pallet 60x77x103 cm weight 70,5 kg	
Structure	Monocoque type body, made of plasticized, non-toxic white steel interior/exterior, coated with a special antibacterial-type film, or in inner 18/10 Aisi 304 stainless steel. Rounded corners and tray-type inner bottom. High density (43 kg/m ³) in-walls injected PUF, without any CFC,	
Insulation type	environmental-friendly, water-foam based.	
Insulation thickness	40 mm	
Feet	No.4 adjustable small feet	
Door Lightning	No.1 door made of tempered glass, triple thickness, self-closing thanks to the spring hinge and 90°stop position. Full LED, all length of inner chamber, automatic switching on at	
	door opening or from the display when the door is closed.	
Energy saving functions	Night & Day function	
Internal fittings	 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	No. 1 wire shelf	
	Refrigeration system	
Refrigeration	Professional, ventilated, forced, hermetic compressor type	
Defrost	Automatic, adaptive, including condensate water vaporization	

Electronic controller



Controller	TOUCH controller	
Type of 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	
Alarm system Data and event recording	 Visual and acoustic for temperature alarms failures such as: Open door High temperature 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	Yes	
Control sensors	NTC type probes for controller board + PTI00 for DMLP monitor board (optional)	
Safety thermostat	Included, to prevent freezing and overheating	
Connectivity for remote alarms transmission	Set-up on the electronic controller board, can be remoted on request. Modbus TCP/IP protocol available for data reading	
Temperature recording	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 20	
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

	Compliancy
Directives and regulations	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	CE
Application environment	Non-flammable, non-explosive, non-corrosive, with adequate air exchange

Accessories available on request

CSM module (including burler batteries) 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 CSM 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 Visual, acoustic alarm and fully independent recording system, with accuracy 0,1 °C thanks to the PTIO0 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 PTI00 product temperature simulation probe PTI00 product temperature simulation probe		Accessories available on request
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Electric-digital lock with password protection 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 attems 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) Compliance kit to DIN 13277 External contacts included the accessory excludes the installation of the GSM module) Compliance kit to DIN 13277 Includes the external terminal board with potential free contacts includes the external terminal board with potential free contacts. DMLP TOUCH Digital Monitor Visual, accusts alarm and fully independent recording system, with accursely of C thanks to the PIDO probes used for temperature detection. DMLP will viale over alarming internal metabolish integrated module on the ECT fuech controler board. The module S to temperature detection. DMLP will viale over alarming the modified set of power included to register temperatures and exercise on in cose of power included to register temperatures and exercise on the cose of power on usage. Data download and the infrastore model on the ECT fuench controler board. The module S to ECT temperature and exercise on the cost of power on usage. Data download and the infrastore model on the ECT fuench controler board and the found of model set include the register temperatures and exercise on the cost on the power field of accurse on the cost on the set	External contacts (Ethernet+ potential free) terminal board	
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