

### Product technical data sheet

## **MEDIKA 2T 400 ECT-F TOUCH**

Cod. MET0402

#### **General features**







Suggested internal fittings

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

	General leatures	
Temperature range	Adjustable +2°C / +15°C for both compartments	
Factory setpoint   Increment	+5°C   0.1°C for both compartments	
Ambient working class   Climatic class	From +16°C to +38°C   N-ST	
Nominal capacity	200 + 200 lt (7,06 + 7,06 cu ft)	
Gross capacity   Net capacity	179 + 179 lt (6,33 + 6,33 cu ft)   170 + 160 lt (6,01 + 5,66 cu ft)	
External dimensions (WxDxH)	60x66x202 cm	
Internal dimensions (WxDxH)	50x49,5x68,5 / 50x49,5x73 cm	
Net weight without any internal fittings	130 kg	
Package dimensions   Weight	Cardboard on pallet 65x72x219 cm   weight 142 kg	
	Wooden crate on pallet 72x77x219 cm   weight 154 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.	
Insulation type	High density (43 kg/m³) in-walls injected PUF, without any CFC, water-foam based.	
Insulation thickness	70 mm rear / 50 mm sides	
Feet	No. 4 unidirectional rollers + No. 2 stabilizing feet	
Door	No.2 door made of tempered and low emissivity glass, self-closing thanks to the spring hinge and 90°stop position.	
Lightning	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 46x45)  · fully extractible drawers made of aluminium, with dividers (WxDxH): cm 11,8x40x7,5 (nr 3 compartments)  · fully extractible drawers made of aluminium, without dividers (WxDxH): cm 39x40x7,5	

## Refrigeration system

st. steel wire drawers on telescopic slides (WxDxH): cm

st. steel wire shelves supported by adjustable clips (dim.cm.46x45)

Refrigeration	Professional, ventilated, forced, hermetic compressor type.  No. 2 separate and independent cooling systems, one for each compartment.	
Defrost	Automatic, adaptive, including condensate water vaporization	
Refrigerant	Natural R290	
GWP   ODP	3   0	

43,5x40,5x6,2

No. 4 wire shelves (2+2)

#### **Electronic controller**



Controller TOUCH controller

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

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 + PT100 for DMLP monitor board **Control sensors** 

(optional)

Safety thermostat Included, to prevent freezing and overheating

Connectivity for remote alarms

transmission

Noise level

Data and event recording

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

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 0,17 + 0,17 (Amp 1 + 1)

Inrush current Amp3+3

Heat emission according to EN 12900 W 58

Hold over time at 20°C ambient (air) 3,7 h chamber A + 3,5 h chamber B (from +5°C to +15°C)

<50 dBA

Energy consumption at 20°C ambient 14 kWh/24h

Compliancy

Directive 2006/42/EC (Machine directive)

Directive 2011/65/EC (ROHS II) Directive 2015/863/ EC (ROHS III) Directive 2012/19/EC (RAEE)

**Directives and regulations** Directive 2014/30/EC (EMC) Directive 2014/35/EC (LVD)

Regulation (EU) 517-2014 (F-gas) Regulation (EU) 1907-2006\_REACH

Available certificate

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

exchange

# Accessories available on request

Visual and acoustic alarm for power failure  External contacts (Ethernet potential free) terminal board  Electric-digital lock with password protection  Electric-digital lock before the refrigerator protection and the protection of the refrigerator with recommendation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock and protection and the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator with lock accessory excludes the inetaliation of the refrigerator and management are made possible by sundard rechargeable bacteries prover fallow addition. But the refrigerator with accuracy QI-C bank download on the Ect Touch controlled board, floating and controlled board and the refriger		Accessories available of request
Electric-digital lock with password protection  CSM module (including buffer batteries)  CSM module (including buffer batteries)  Plug-in module to notify on mobile phones, via xms, overall monitoring, alarms and failures of the refrigerator.  External contacts included (this accessory excludes the installation of the CSM module)  Wit-Fill module  Compliance kit to DIN 13277  All arms signal and the external terminal board of the control of the compliance kit to DIN 13277  Includes the electric digital lock, buffer batteries for power failure early includes the electric digital lock, buffer batteries for power failure early includes the electric digital lock, buffer batteries for power failure early includes the electric digital lock, buffer batteries for power failure alimn batteries and the external terminal board with ploental if free context.  Visual, acoustic alarm and fully independent recording system, with accuracy of "C thanks to the PTOO probes used for temperature simulation probe  DMLP TOUCH Digital Monitor  FIGCHETTI COLD EYES cloud monitoring  Prince the prince of the prince of the prince alarm batteries from proteins and events even the module is fed by standard rechargeable batteries (power failure alarm batteries) to be the access to prove outage. Data download and their management are made possible coulded; to register temperatures and events even the module is fed by standard rechargeable batteries (power failure alarm batteries) and provides and graphs are created.  Prince CHETTI COLD EYES cloud monitoring  Annual monitoring service, Cloud based, featuring the notification of allowers and graphs are created.  FIGCCHETTI LAN SUPERVISOR  Annual monitoring service, Cloud based, featuring the notification of allowers and prince and access to historical data and to present refrigerators thanks to the access to historical data and to present refrigerators thanks to the access to historical data and to present and prince a	Visual and acoustic alarm for power failure	
Electric-digital lock with password protection  function may be password protected. Mechanical release key supplied for emergency opening.  GSM module (including buffer batteries)  Converter medule type 4-20mA (including contacts terminal board or module type 4-20mA (including contacts terminal board)  Wi-Fi module  Wi-Fi module  Compliance kit to DIN 13277  Com	External contacts (Ethernet+ potential free) terminal board	
Plug-in module (including buffer batteries) Converter module type 4-20mA (including contacts terminal board) Wi-Fi module Wi-Fi module Wi-Fi module Wi-Fi module Wi-Fi module Plug-in module to connect to, monitor and manage the refrigerator reviewsly Includes the electric digital lock, buffer batteries for power failure contact.  Compliance kit to DIN 13277 Includes the electric digital lock buffer batteries for power failure contact.  Wi-Fi module  DMLP TOUCH Digital Monitor  FIOCCHETTI COLD EYES cloud monitoring  Annual monitoring service, Cloud based, featuring the notification of digital contact and the electric digital lock properties and the service of the properties of the power policy and the electric power failure alarm batteries. The module is feel by standard rechargeable batteries (power failure alarm batteries fower that the alarm batteries fower the properties and events even in case of power outage. Data download and their management are made possible to tables and graphs are created.  PTIOO product temperature simulation probe  FIOCCHETTI COLD EYES cloud monitoring  Annual monitoring service, Cloud based, featuring the notification of alarms and failures from per thanks to a declicated application of the properties of the p	Electric-digital lock with password protection	function may be password protected. Mechanical release key supplied
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accuracy 0.1 °C thanks to the PT00 probes used for temperature detection. DMLP will take over alaming fund when installed as integrated module on the Ect-if Touch controller board. The module is feel by standard rechargeable batteries (por alize alize alize alize) and the properature is and events even in case of power outsee. Data download and their management are made possible by CAP LIKE softwars, supplied on board on the SD card, through which tables and graphs are created  PT00 product temperature simulation probe  PT00 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 declicated app, including SMS messages and emails, also allowing the full download of recorded data.  Annual 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 sport 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 for narcotics H mm 100  Rack 140x420x150H mm (max 3 per each shelf)  Plexiglas front panel for extractible drawer  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 15V/60Hz	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
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FIOCCHETTI COLD EYES cloud monitoring  alarms and failures from pc thanks to a dedicated app, including SMS messages and emails, also allowing the full download of recorded data.  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  St. steel wire shelf kit  St. steel wire drawer on telescopic slides  Lockable drawer for narcotics H mm 100  Rack 140x420x150H mm (max 3 per each shelf)  Plexiglas front panel for extractible drawer  Castors kit with brakes  Internal Socket (no.1)  35 mm access port with stopper  Port hole mm 15  Humidity sensor  PTIO0 sensor with free contacts  Mains voltage stabilizer  Non-standard plug and cable  Power 220V/60Hz  Power 15V/60Hz	PT100 product temperature simulation probe	
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PTI00 sensor with free contacts  Mains voltage stabilizer  Non-standard plug and cable  Power 220V/60Hz  Power 115V/60Hz	Port hole mm 15	
Mains voltage stabilizer  Non-standard plug and cable  Power 220V/60Hz  Power 115V/60Hz	Humidity sensor	
Non-standard plug and cable  Power 220V/60Hz  Power 115V/60Hz	PTI00 sensor with free contacts	
Power 220V/60Hz Power 115V/60Hz	Mains voltage stabilizer	
Power 115V/60Hz	Non-standard plug and cable	
	Power 220V/60Hz	
Wooden crate package	Power 115V/60Hz	
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