pharma·box

In order to preserve the quality of temperature-sensitive products, it is important to generate, maintain and monitor appropriate temperature conditions at all stages of distribution in accordance with the specification for each individual product or group of products.

Transporting temperature-sensitive products often requires great employee engagement in achieving appropriate transport conditions. Alius Group Ltd. has developed a smart transport containter to speed up and automate the transport process.

PHARMA-BOX
Smart thermal container

- autonomy 10 logs (2.000 measurements per log)
- module for connecting to a WiFi network
- touchscreen
- sound and visual alarm
- fast printing from an integrated printer
- calibrated probe at three temperature points according to HRN/EN ISO 17025
- power supply 12/24 VDC and 230 VAC
- battery life up to 8 hours, extendable up to 24h
- available in a variety of capacities
- 21CFR part 11 compliance

Use on any type of transport

Accompanying validation documentation according to GDP guidelines witheach delivered P-BOX

Temperature control and regulation from -10°C to +35°C

Built-in thermal printer for printing temperature list

Live temperature monitoring

12V/24 VDC and 230 VAC

Local temperature deviation alarm

Integrated LI ION battery up to 8 hours autonomous operation

Local data storage and data transmission through WiFi, GPRS network

pharma·box

Device description

The Pharma-box smart container allows you to generate and maintain temperature conditions during transport thermo-sensitive products.

All models come with a touchscreen where you can adjust temperature set point in Pharma-box. According to defined conditions, the built-in PID Thermostat PharmaSense controls its heating and cooling. During the entire transport, precise monitoring and continuous temperature measurement are provided via calibrated temperature probe. Calibration is performed at three temperature points according to HRN/EN ISO 17025. Printing the temperature list of each delivery session is possible through an integrated printer. Also, there is possibility to upload data via wireless communication (WiFi) to the Pharmalogger software database.

Pharma-box has the ability to adjust the upper and lower allowed temperature limits, and when the temperature exceeds the limits, an audible and visual alarm is activated.

Qualification documentation is delivered to the user with the Pharma-box. Qualification is carried out in environmental conditions and with a defined range of temperature in which the user will use the device.

EQUIPMENT QUALIFICATION

- preparation of qualification protocols and reports
- tests execution with records
- training users to work with the device

DEVICE MAINTENANCE

- warranty and on spare parts
- service within 72 hours.
- annual requalification of the device
- temperature probe annual calibration
- annual mapping of the device in 9 points

Model	Pharma-box 95.0 basic	Pharma-box 95.0 max
Capacity	95 lt	
External dimensions	482 x 805 x 592 mm	
Power / consuption	110/230 VAC 4,16 A @ 12V DC 50W	
Internal equipment	2 open wire basket dim.350 x 490 x 440 mm and 350 x 185 x 260 mm 2 cables for 12/24V and for 110/240 V with included switcher	
Door	1 blind door with safety lock	
Controller	PharmaSense Digital electronic PID thermostat	
Alarm	Acoustic and visual for temperature deviations	
Refrigeration type	Compressor	
Refrigerant type	R600a CFC free	
Network module	WiFi	
Temperature range	-10°C to +10°C	-10°C to +35°C
Ambient Temperature	From +10 to +40 °C; 10 - 90%RH	From -10 to +40 °C; 10 - 90%RH
Connectors	1 Socket for 12/24V and for 230V	
Battery	x	up to 8 hours with charger (extendable up to 24h)

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INNOVATIVE SOLUTIONS

SERVICES

Customer support

Installation and setup, Maintenance

Calibration of sensors, Device Qualification

Waranty

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