

Portable cooler box

User's Manual

Model: New CK01-03

Please read this manual carefully before using this product
and keep it properly for reference

I. Preamble

Thank you for choosing our portable cold box series, this product is used

Current international advanced semiconductor refrigeration technology, with simple and generous design ,It solves the difficult problem of storing and carrying biologics under high temperature, for you Create comfortable and high quality mobile life.

This specification describes in detail the function of the product as well as the standard operating methods for you.

Answer the questions you may encounter when using the product, making it easier for you to use them Convenient and comfortable.

II. Introduction

1. Product Principles

This product uses thermoelectric refrigeration module, namely semiconductor to realize refrigeration, in special semiconductor. A low-temperature conduction is generated by a direct current and is transmitted to the cartridge by a radiator through a fan Heat out.

2. product characteristics

A variety of power supply, AC, USB, built-in battery,

portable battery, etc., intelligent temperature control, large screen LED liquid crystal temperature display, clock display, etc.

Semiconductor instantaneous refrigeration technology, stable performance, long life, free of noise and fluorine pollution, Small size, light weight, easy to carry, is a new type of green environmental protection products.

III. METHODOLOGY FOR USE

1. electricity:

1 External power supply: Connect the power adapter when there is no built-in lithium battery in the host or USB the power, the machine will "beep" the sound, indicating that the power is on, while the machine itself

Dynamic detection whether to install the battery, if there is no battery, the screen shows full grid of electricity.

2 Battery power: When the external power supply is not connected directly to the built-in lithium battery, the machine will "beep" the sound, indicating that the connected battery, the screen does not show.

3. Power both inside and outside: when the battery is connected, connect the external power Time, screen. It displays a power marker and detects power, such as when the battery is full, If the battery is not full, show the corresponding charge and charge at the same time.

2. switch machine:

1 boot: the boot long press 3 seconds, after a beep, the screen lights up, temperature display the current box temperature, at the same time display time, battery power. Fan working status. If there is no operation, the screen automatically closes after 20 seconds and enters power saving mode.

Shutdown: Long press 3 seconds can shut down, shut down, if the machine has batteries, only the electricity mark is displayed on the screen.

3. set temperature: cold box temperature set range 0~18 degrees, press "▲" directly Key, temperature flashing, this time can set the required refrigerated temperature.

4. AUTO key:

Automatic mode: press "AUTO" once, temperature automatically set 8 degrees, enter automatic working mode, on screen "AUTO" indication mark bright.

IV. Mode of supply

1. power adapter: can be made without lithium or lithium battery power is low.

2.USB power cord: connect computer USB jack, mobile phone USB charge device, portable battery, vehicle USB power supply or on-board USB converter.

Lithium battery power:

1 Open the battery cover at the bottom of the mainframe and place the power cord and lithium in the battery box of the mainframe

The battery is connected by a power cable card, and the battery is placed in the box and covered to provide sufficient power for the lithium battery

It can be supplied directly with lithium battery.

2 built-in lithium battery is powered for about 6-8 hours, depending on ambient temperature, when higher the ambient temperature, the shorter the use time, it is recommended that users choose more lithium batteries.

3 In order to save battery power when using lithium battery power, the machine will enter automatic mode that is, automatically set 8 degrees.

4 In order to save the battery power, the machine will automatically reduce the power when using lithium battery power into the low voltage mode, so the refrigeration effect may be reduced, but will not affect the drug insurance save, when the condition is connected to the external power supply, try to use the external power supply, and charge the battery at the same time.

4. Refrigerated boxes are preferred when both external power and built-in batteries are connected the external power supply for refrigeration work and charge the built-in lithium battery at the same time.

V. Battery charging methods:

1. boot charge: When the built-in lithium battery is connected, connect the power adapter or on-board The source line is connected to the host computer, and the machine display shows the charging status, at which time the charger will be the machine at the same time power supply and battery charging, charging time is longer, about 3-5 hours.

2. shutdown charge: when the machine is shut down, power adapter or on-board electricity The source line is connected to the host. The host is automatically charged by default, and the screen displays the corresponding charge and charge state, charging in shutdown state can effectively save charging time, about 1-2 hours.

VI. Scope of application

1. applicable place: any place such as home, office, vehicle, pharmacy, hospital, etc.

2. suitable for refrigeration: Insulin, interferon and other suitable refrigerated drugs and biological agents.

VII. Key points of drug refrigeration

1. unopened insulin injection has a shelf life of 2 years in an environment of 2-8 degrees.

Set the cartridge temperature to 2-8 degrees, the shelf life of insulin after opening is 1 month, suggest 1

In months.

2. unopened insulin injection has a shelf-life of 6 months in 25 degrees

After 25 degrees, the shelf life will be greatly shortened, after opening the insulin within 25 degrees of the environment

The shelf life is 1 month. .

3. when powered by a built-in lithium battery, if ambient temperature exceeds 30 degrees, cartridge temperature

It may be more than 8 degrees, so long as the medicine box temperature does not exceed 25 degrees, it can be effectively preserved unopened

For 6 months of insulin and 1 month of open insulin, please feel free to use it.

4. when powered externally, if the ambient temperature exceeds 35 degrees, the cartridge temperature may be

More than 8 degrees, as long as the medicine box temperature does not exceed 25 degrees, can still be effectively preserved unopened islets

For 6 months and 1 month of insulin, please feel free to use it.

Consult a physician 5. specific matters.

VIII. Points for attention

1. cold storage box can not hold water, avoid liquid contact.

2. the bottom and sides of the ventilation holes to keep the air clear when loading the portable backpack with heat dissipation holes

must be aligned to the vent of the backpack. This product is strictly forbidden to be put in a sealed bag, which will cause the communication

Bad wind, high temperature inside the machine and damage drugs.

If 3. go out, please prepare the number of batteries according to the travel time to ensure that this Machine in normal use.

4. long-term use of external power supply, please remove the lithium battery to prevent overcharge or leakage.

5. you don't use the cooler for more than 1 week, please remove the lithium battery to prevent the battery

over discharge and prolong the battery life.

6. long-term storage without the use of refrigerated boxes, every 3 months to lithium battery charge - power,

prevent excessive discharge of the battery and prolong the battery life.

7. reefer box must be used with original power adapter, especially when charging.

original power adapter, otherwise it will damage lithium battery.

IX. Fault analysis

1. machine doesn't work: no response occurs when only the power adapter is connected

The indicator light is not on, indicating that the power adapter is broken, the original power adapter must be replaced.

2. machine is completely non-cooled: possible refrigeration chip interface loosening or refrigeration chip damage.

3. show temperature over 30 degrees: Check that the fan is working and the vent is blocked Plug.

4. temperature is not too cold: check set temperature, check heat dissipation holes are blocked, environment

Whether the temperature is over 35 degrees and too high, the number of open cover too much, open time too long.

5. screen shows E1: temperature sensor failure, need to replace temperature sensor.

6. noise is too large: check the fan for any sundries entering.

X. Parameter indicators

Refrigeration temperature	About 25 degrees below ambient temperature
Temperature range	0-18 degrees
Host rated voltage	External DC 5V
Host rated power	When 10 W, connect the battery W 5 times
Adapter parameters	Input AC 220V-240V, output DC 5V 3A
Lithium battery model	Panasonic NCR18650B
Lithium battery specification	Voltage 3.7 V, Capacity 10200 mAh
Battery life	Group 1 about 7-8 hours (the higher the ambient temperature, the shorter the service time)

XI. Packing list

1. host	1 unit
2. power adapter	1
3. lithium battery (10200 mAh)	Group 1(optional or optional)
4.USB power cord	1
5. portable backpack	1
6. Instruction Manual	1.
7. certificate of Qualification	1 sheet

Warranty card

Date of purchase: Commodity Type: Name: Contact number:

Failure situation	Processing Results	Maintenance Date	Signature supervisor

Warranty time: one year

Kindly note that the following conditions are not covered by warranty

1. the product is damaged due to failure to install or use as per the specification;
 2. products beyond warranty period;
 3. products are repaired, modified, modified and disassembled by personnel of non-authorized service organizations;
 - 4 Damage caused by floods, fires, earthquakes, etc .- natural disasters.
- damage caused by factors or behaviors such as 5. access inappropriate voltage, high temperature, water intake, corrosion, breakage, etc.





Предмет номер.	СК-01-3 модернизированный
Мощность	DC12V / AC100V-240V
Потребляемая мощность	48 Вт ± 10%
Принцип охлаждения	Полупроводниковое охлаждение
Температура	2-8 градусов установленная температура
Способ зарядки	Шнуры питания переменного / постоянного тока для автомобиля и дома
Размер	

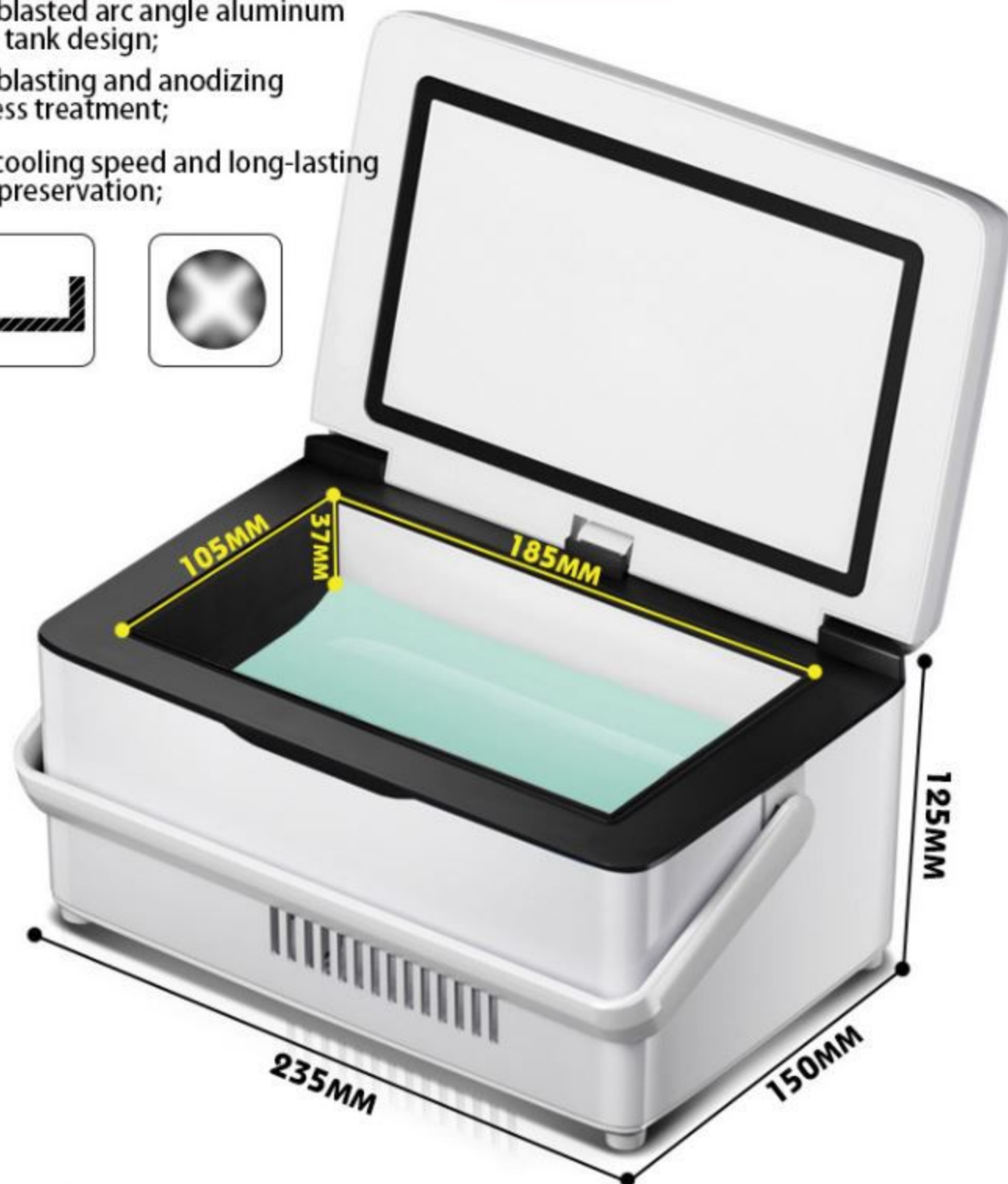
PRODUCT PARAMETERS

Product name	Handle type insulin refrigerated box	Temperature range	Temperature adjustment zone
Household voltage	220v-240v	Regulate the temperature	2° C-8° C (within 33° C ambient temperature)
USB battery	3.7v-5.1v	Lithium battery structure	3 NCR18650B batteries
Product Size	230×150×125mm	Battery capacity	10200mAh per battery
Internal dimensions	185×105×37mm	Time of duration	6-8 hours of battery life per battery

Sandblasted arc angle aluminum
inner tank design;

Sandblasting and anodizing
process treatment;

Fast cooling speed and long-lasting
heat preservation;



*If there is any deviation in manual measurement

The new big handle, large storage capacity, long use time

The large movable handle is convenient to carry, and the deepened aluminum inner tank can store the large-head growth hormone injection pen, and the large-capacity storage is free to use



6-9

Insulin pens

或



25

Insulin

或



60

Insulin refills



Low-power external power supply 15W, battery life 9W, light sound,
long life, no more than 30 decibels when working! Silent care for you
to sleep comfortably all night



10-15 decibels

The sound of
needle falling



20-30 decibels

Refrigerated box



40-60 decibels

Air-cooled
refrigerator



60-80 decibels

Vacuum cleaner sound



Multiple power supply methods are more convenient

There are three power supply methods for vehicle, household, battery, and portable refrigeration box is more convenient to use



Rechargeable lithium battery 10200mAh high efficiency and repeated charging



Car USB powered 5v output current 2.1A or more



Home 220v power supply

Dual battery lasts longer

USB charging anywhere is more convenient, and the 16-hour battery life can be handled freely



Dual batteries total 20400mAh, which can last for **16 hours** after power failure

The battery is optional, you need to choose the configuration with lithium battery

switch

(Short press to power on,
long press for 3 seconds
to power off)

Mode status

Increase the temperature



One key 8°C

Battery display

Temperature value

Turn down the temperature