

KD-202B portable examination light

USER MANUAL

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I .Brief introduction

Model: KD-202B

Scope of application: This product is elaborately designed for local check and operation of doctors which demands higher for lighting effect and man-machine relationship. It is suitable for small and deep auxiliary lighting occasion in ENT, neurology and orthopaedic side diagnosis.

Characteristic: This product uses high power LED lighting, deep lighting depth and brightness-adjustable enables you to get clear and high fidelity of lighting effect.

Product component: portable examination light, adapter, charger etc.

II. Performance Summarize

The design and production of this light source strictly executes the first part of the safety requirements of medical electrical equipment GB4793.1-2007: general requirements which is guaranteed in safety.

III Main technical parameters

Color temperature: 6000K±500K□ 4500K±500K□

Lamp power: 3W□ 5W□ 7W□

Power supply time:3h

Charging timeL: 6h

Lithium battery voltage: DC 3.6V—4.2V

Lithium battery capacity: 2600mAH

Input voltage of the adapter: AC 100V-240V,50HZ-60HZ

IV Security tips

1. Avoid directly illuminating your eyes to prevent damage to eyes.
2. It is strictly prohibited to use metal contact at the bottom of the battery contacts, lest produce short circuit
3. If the battery has already been full, please disconnect the input power supply, and take the main case from the charging socket.
4. Please promptly shut down the power supply of main case after using

each time.

5. Do not place the lithium battery into fire or close to the place of high temperature, or there may be an explosion.

6. Battery life is of about 500 times to charge and discharge, abandoned battery should be put in designated chemical trash box.

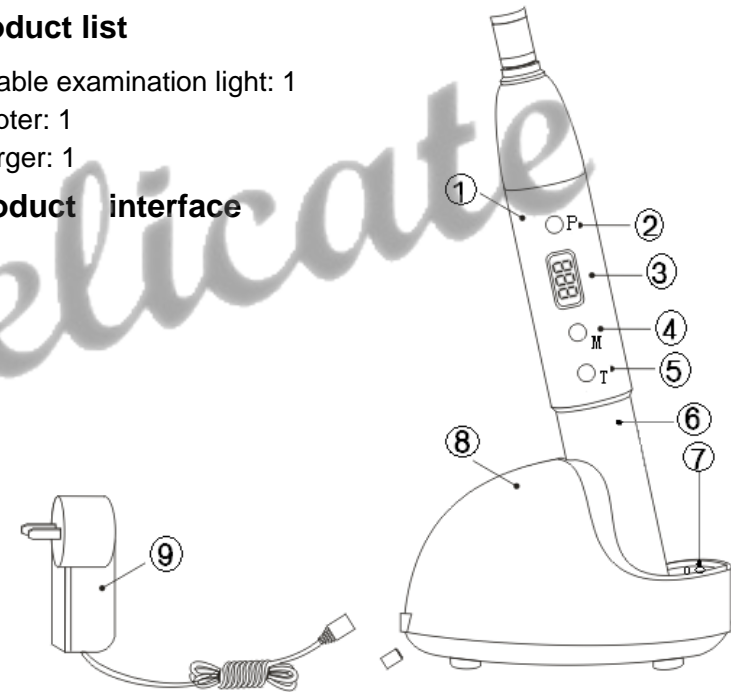
V Product list

Portable examination light: 1

Adapter: 1

Charger: 1

VI Product interface



structure of KD-202B

- | | | |
|-------------------------------|-------------------|-------------------|
| ① portable examination light | ② Power switch | ③ Time display |
| ④ Mode Setting | ⑤ Time setting | ⑥ Lithium battery |
| ⑦ Indicator light of charging | ⑧ Charging socket | ⑨ Adapter |

VII Inspection and operation

1. Battery Charging (Model A lithium battery)

Take the charging socket and adapter out from the package, insert the adapter into AC 110 or 220 V socket and insert the output plug to the charging socket. If the battery is not full, the yellow indicator light in the charging socket will light up which indicates that the battery is recharging. If the battery has already been full (usually need to recharge 6-7 hours), the yellow indicator light will be out which indicates that the battery has already been full. If the new battery is charging for the first time, please charge at least eight hours.

2. Operating instruction

(1) Power on/off: Press the power button "P", the screen lights up and the power is open. Press the power button for 2 seconds, the screen goes out, and the power is off.

(2) Start/stop: open the power switch and the output model, press "P" button, the power supply begins to work and the LED lights up. It will stop automatically after the time is up. If you want to stop the output in the work midway, press the "P" button.

(3) Mode selection: In the state of output stop, press the "M" button, you can choose three output mode:

“01 “model: dawn mode

“02 “model: long light mode

“03 “model: highlight mode

(4) Time setting: After open the selection mode, press the time button "T", you can choose four tap position 10, 20, 30, 40 seconds.

(5) Automatic shutdown: If you stop use the lamp and do not operate the key, time accumulative exceeds 8 minutes, the lamp will automatic shutdown.

(6) Alarm of low-pressure battery: If you use the lamp for a period of time and not recharge the battery, when the battery voltage is down to

3.3 V, the light screen will display “LO” , at this time you need to charge the battery. The lamp can still operate normally in the low voltage state, but the output brightness is low.

VIII Care and maintenance

1. When the brightness of the light is significantly weakened, you need to recharge in time. When the battery is plentiful, don't frequent recharge it, so that you can extend the battery life.
2. If you need to clean the host surface, please use medical gauze to dip in medical alcohol of concentration 75% to erase the surface of the dirt goods.

IX Failure Judgment and Eliminating Methods

Turn on the power switch, the lamp lights up.

Fault cause	Solution
Not open the power	Press the “P”button to check the lamp power
Undesirable battery contact	Back off the battery case, pack it well again
The battery voltage is too low	Recharge the battery
Improper mode selection	Reselect “02””03” long light mode or highlight mode
The adapter is not connected	Reinsert the adapter into the power socket
The battery is not connected well	Replace the battery to make the charger work
Wrong way to shut down the machine	Long press the”P”button for two seconds
	Contact with the after-sale service department for solution

X After-sales service warranty

Warranty of 18 months, provide maintenance service all user's life.

◆In the warranty period, in normally using, the trouble because of the product quality, the consumer depends on the warranty slip and invoice enjoys free maintenance service.

◆If the error caused by refitted or install other functions which is without our company's permission, is not within the scope of warranty.

◆If the model, number, release date is modified, deleted, moved or unrecognized, will not enjoy the maintenance service.

◆The error caused by human factor such as falling, squeezing, dip in, wetting, etc. is not within the scope of warranty.

◆Once receiving the goods, please sign and accept it after opening the package to inspect and confirm whether the instrument is crushed, scratched or not. Make sure there is no special unnumbered inside. If the goods are damaged and you did not inspect before sign it, It will be at your own risk.

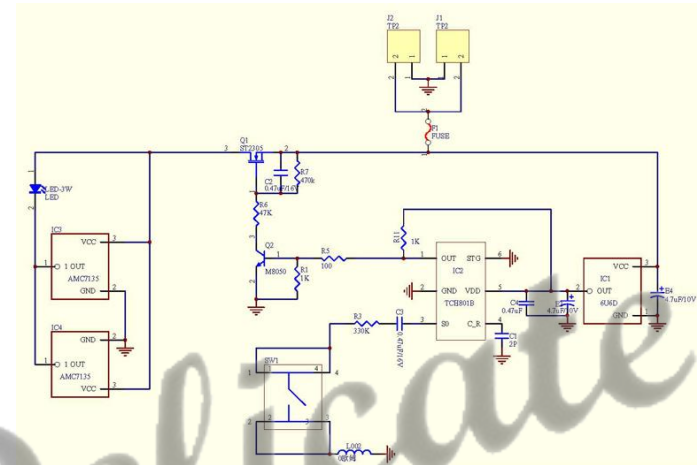
XI Transportation and storage conditions

1. In order to protect the equipment maneuverability and stability, you must be civilized when loading and unloading the machine in transportation and handling. The lamp box cannot be extruding by overweight object and you must prevent the rain from getting it wet.

2. The light should be stored in -10 °C-40 °C temperature, 30%-80% relative humidity, no corrosive and ventilated clean room.

XII Electrical schematic diagram

Electrical schematic diagram of KD-202B:



Any products may be updated or improved. The change of circuit or element specifications of the product will not with prior notice.

2012 edition

Warranty card

Company name:			
Address			Phone No.
Product name		Model	
Serial Number		Manufacture date	
Sale date			
Fault description:			
Remark: The warranty of our products is 18 months since the release date.			

(Please truthfully fill in this form, cut it according to the dotted line and send it back to our company, thank you for your cooperation)

Maintenance card

Company name:			
Address			Phone No.
Product name		Model	
Serial Number		Manufacture date	
Sale date			
Fault description:			
Remark: You can enjoy seventy percent discount for the maintenance services even if you use this card over the quality assurance period.			