

DE-3100 DERMATOSCOPE

User Manual



The following directions for use will enable you to familiarize yourself with the device. Please review them carefully!

Intended Use

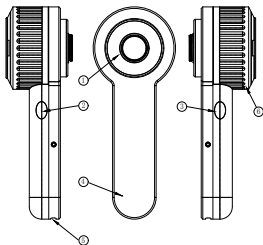
The device is an internally powered medical microscope for skin lesions diagnosis. It can be used for both contact and non-contact skin examination with its particularly lighting system.

The accessory phone adapter helps connect dermatoscope with smartphone to capture and display images.

The device should be operated by qualified dermatologist or conducted based on a professional doctor's recommendation.

Product Overview

- ① Magnet Attachment
- ② On/Off/Polarized Light Switch
- ③ Non-polarized Light Switch
- ④ Battery Indicator
- ⑤ Charging Connector
- ⑥ Focusing Ring



Scope of Delivery

The set consists of the dermatoscope with magnet attachment, phone adapter, USB cable, carry case and a user manual.

Technical Data

Material	Aluminum & Glass
Optical Design	All glass, 3 elements 2 groups, anti-reflection coating

Lens Diameter	32mm
Magnification	10X
Distortion	5%
Polarization	4 LEDs white non polarized, 4 LEDs amber polarized, 8 LEDs white polarized
Resolution	300 LP/MM (Axis) 250 LP/MM (Edge)
LED Type	SMD LED beads
Battery Capacity	1000mAh Lithium ion
Charging	USB-C
Working Time	3-6 hours



Charge the instrument fully before first use.

Operation

To switch on the illumination, press the button (②, ③) on the instrument. The device starts with white polarized mode.

● On/Off

Press on/off button ② to turn on the instrument, long press 3 seconds to turn off the instrument. The instrument will automatically turn off if there's no operation in 3 minutes.

● Polarized Mode

Press on/off button ② on the instrument to switch polarized mode. There's 3 types light illumination in non-polarized mode. In this case, the instrument starts with 12 LEDs white polarized mode. Press one second again, it switches to 4 LEDs amber polarized mode. Press one second again, it switches to 12 LEDs white polarized + 4 LEDs amber polarized mode.

● **Non-polarized Mode**

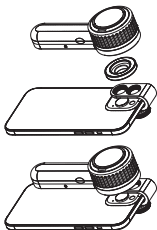
This mode is used on non-contact examination. Take off the contact plate and hold the instrument around 12mm above the skin to be examined. Press non-polarized button ③ on the instrument to switch to non-polarized mode. There's 2 types light illumination in non-polarized mode, white and amber.

● **Adjust Focus**

Rotating the focus ring until you see a white line mark.

Smartphone Connector

- (1) Place phone adapter screw in the center of smartphone's main camera.
- (2) Screw magnet attachment on phone adapter.
- (3) Put dermatoscope's back ring and magnet attachment together.



Warranty

The device is maintenance free. The expected life cycle amounts with designated use and the observation of warning and safety information as well as maintenance instructions up to 3 years.

Disposal Instructions



The device may not be disposed of as domestic waste. Dispose of the device in a waste facility that accepts electronics/electrical appliances.

Symbols Meaning



Caution:
Important note!



Caution:
Ultraviolet radiation!



Do not stare at light
source!



Wear UV protective
goggles!



Read the user
manual!



Type BF applied part



Keep dry!



Medical Device



Manufacturer's CE-
declaration



Manufacturer



Item No.



Batch Code



Class I equipment



Disposal instructions:
Do not dispose of the
equipment with
domestic waste!

Manufacture Information

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Warning

- ▶ Check the correct operation of the device before use! Do not use the device if there are visible signs of damage or the light begins to flash.
- ▶ Do not use the device in fire- or explosive risk area (e.g. oxygen saturated or anaesthetic environments).
- ▶ This product is not allowed to be entered or used in strong magnetic fields like MRI scanners.
- ▶ Do not modify the device.
- ▶ Use only original accessories and power sources.
- ▶ Do not look directly into the light source to avoid dazzle from the intense light.
- ▶ The dermatoscopes are not suitable for eye examination.