

DE-4100 DERMATOSCOPE

User Manual



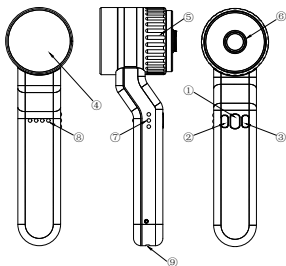
The following directions for use will enable you to familiarize yourself with the device. Please review them carefully!

Intended Use

The DE-4100 dermatoscope is a medical microscope designed for skin lesion diagnosis. With its specialized light system, it allows for clearer, more precise, and detailed examination of the colors, shapes, and textures of skin lesions. The device comes with a universal lens mount, which can be used to connect the dermatoscope to a smartphone or tablet for image capturing and display.

Product Overview

- ① On/off switch
- ② Polarisation button
- ③ Brightness control
- ④ Contact plate
- ⑤ Focusing ring
- ⑥ Phone adapter
- ⑦ Polarisation indicator
- ⑧ Charging indicator
- ⑨ USB-C connector



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, 4 elements 3 groups, anti-reflection coating

Lens Diameter	33mm(front); 33mm(rear);
Magnification	10X
Distortion	8%
Polarization	6 LEDs white non polarized, 4 LEDs amber polarized, 12 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



To ensure optimal performance, please 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 ① to turn on the instrument, press one second again to turn off the instrument. The instrument will automatically turn off if there's no operation in 3 minutes.

● Polarized Mode

Press polarisation button ② on the instrument to switch polarized mode. In this case, the instrument starts with 12 LEDs white polarized mode. Press one second again, it switches to 12 LEDs white polarized + 4 LEDs amber polarized mode. Press one second again, it switches to 4 LEDs amber polarized mode. Polarized light indicator turns on.

● **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 ② on the instrument to switch to non-polarized mode(6 LEDs white non polarized), non-polarized light indicator turns on.

● **Adjust Focus**

Rotating the focus ring until you see the image is clear.

● **Brightness control**

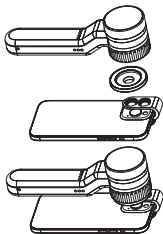
Press brightness control ③ to change brightness. There's 3 levels of brightness in each polarisation mode.

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 and has a 2-year expected lifespan with proper use and adherence to warning and safety information, as well as maintenance instructions.

Disposal Instructions



When disposing of the device, it should not be treated as regular household waste. Dispose of the device at a 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.