DE-5100 DERMATOSCOPE

User Manual

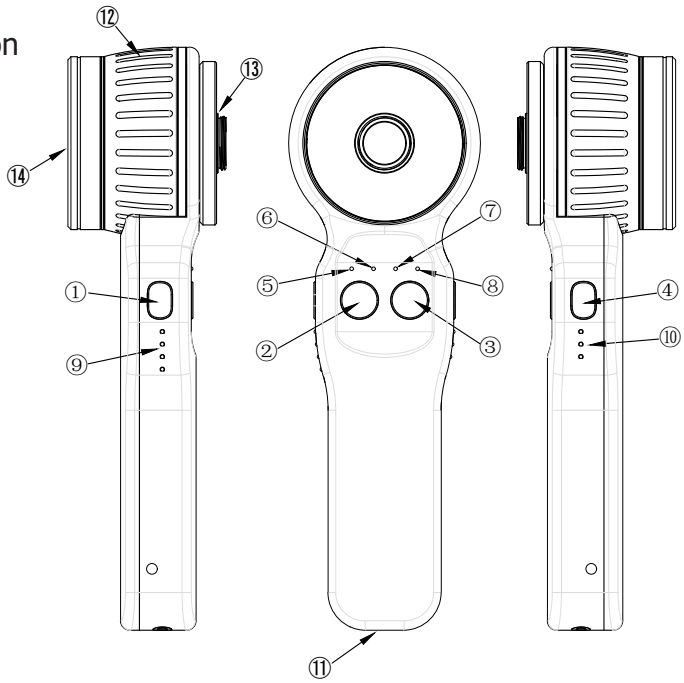
The following directions for use will enable you to familiarize yourself with the device. Please review them carefully!

Intended Use

The DE-5100 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 Polarised/Non-Polarized button
③ UV/Amber-Polarized button
④ Brightness control
⑤ Polarized Indicator
⑥ Non Polarized Indicator
⑦ UV indicator
⑧ Amber Polarized indicator
⑨ Battery Indicator
⑩ Brightness Indicator
⑪ USB-C connector
⑫ Focusing Ring
⑬ Phone Adapter
⑭ Contact Plate



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	40mm(front); 32mm(rear);
Magnification	15X
Distortion	5%
Polarization	26 LEDs, 12 polarization, 6 non polarization, 4 amber polarization, 4 365nm UV light
Resolution	300 LP/MM (Axis) 280 LP/MM (Edge)
LED Type	SMD LED beads
Battery Capacity	1500mAh Lithium ion
Charging	USB-C
Working Time	6-8 hours

To ensure optimal performance, please charge the instrument fully before first use. **Warning: Use a charger with a power out put of 30W or less.**

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 3 seconds to turn on the instrument, press 3 seconds again to turn off the instrument. The instrument will automatically turn off if there's no operation in 8 minutes.

- **Function Mode**

The default mode is polarized light when turn on, press (②) to switch to non polarized mode, press again to amber polarized mode.Circulating; press (③) to switch to Wood's Lamp (365nm UV) mode.

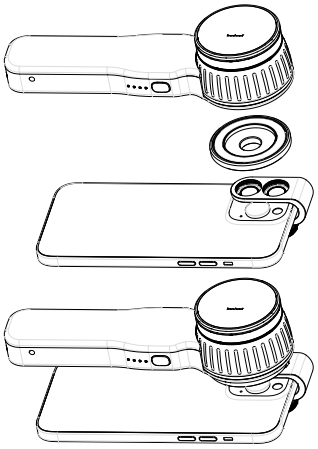
- **Adjust Focus**

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

- **Brightness control**

Press brightness control ⑩ 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.

Cleaning & Maintenance

Prior to cleaning and disinfecting, switch off the device.
Wipe the contact plate with cloth or dip ethyl alcohol to clean.
Do not use aggressive or solvent-based cleaners. These affect the surfaces of the device.
Avoid any penetration of liquids during cleaning.
When using the device by several patients, the device must be cleaned and disinfected before any patient change, in order to prevent infections between patients.

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.