

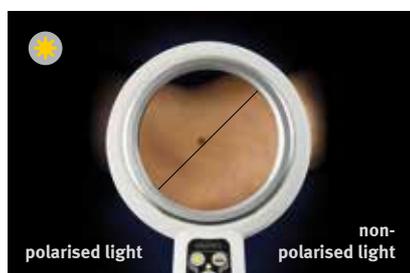


microDERM® Optima – Available to You in Two Variants

microDERM® Optima Daylight



non-polarised light



polarised light

non-polarised light



directed light

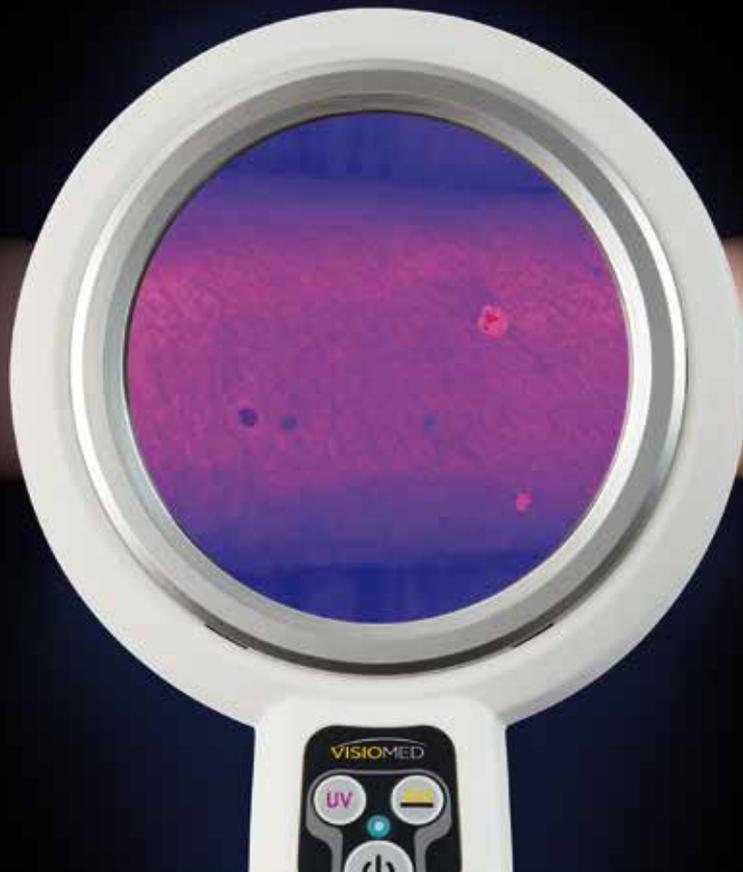
microDERM® Optima Daylight – For a Clear View

microDERM® Optima Daylight offers you **three different modes** of lighting akin to daylight. You may choose between strong and homogeneous **non-polarised light** and **polarised light** for optimum screenings due to reduced reflections on the skin. **Directed lighting**, which particularly emphasises the skin's structures and profile, is additionally available.

- ✓ Bright, homogeneous lighting
- ✓ Polarised light without reflections
- ✓ Distortion-free magnification

microDERM® Optima UV

UV



UV light



polarised light



UV light

microDERM® Optima UV – Expands the Spectrum

microDERM® Optima UV offers you **polarised light** akin to daylight for optimum screenings and an **illumination in the UV range** for fluorescence diagnosis. The UV light is suitable for both photodynamic examinations of cancerous cells and **Wood's light exams** of bacterial, parasitic or fungal skin infection.

- ✓ Two lighting modes in one appliance
- ✓ Suitable for Wood's light exams
- ✓ Distortion-free magnification

Powerful illumination

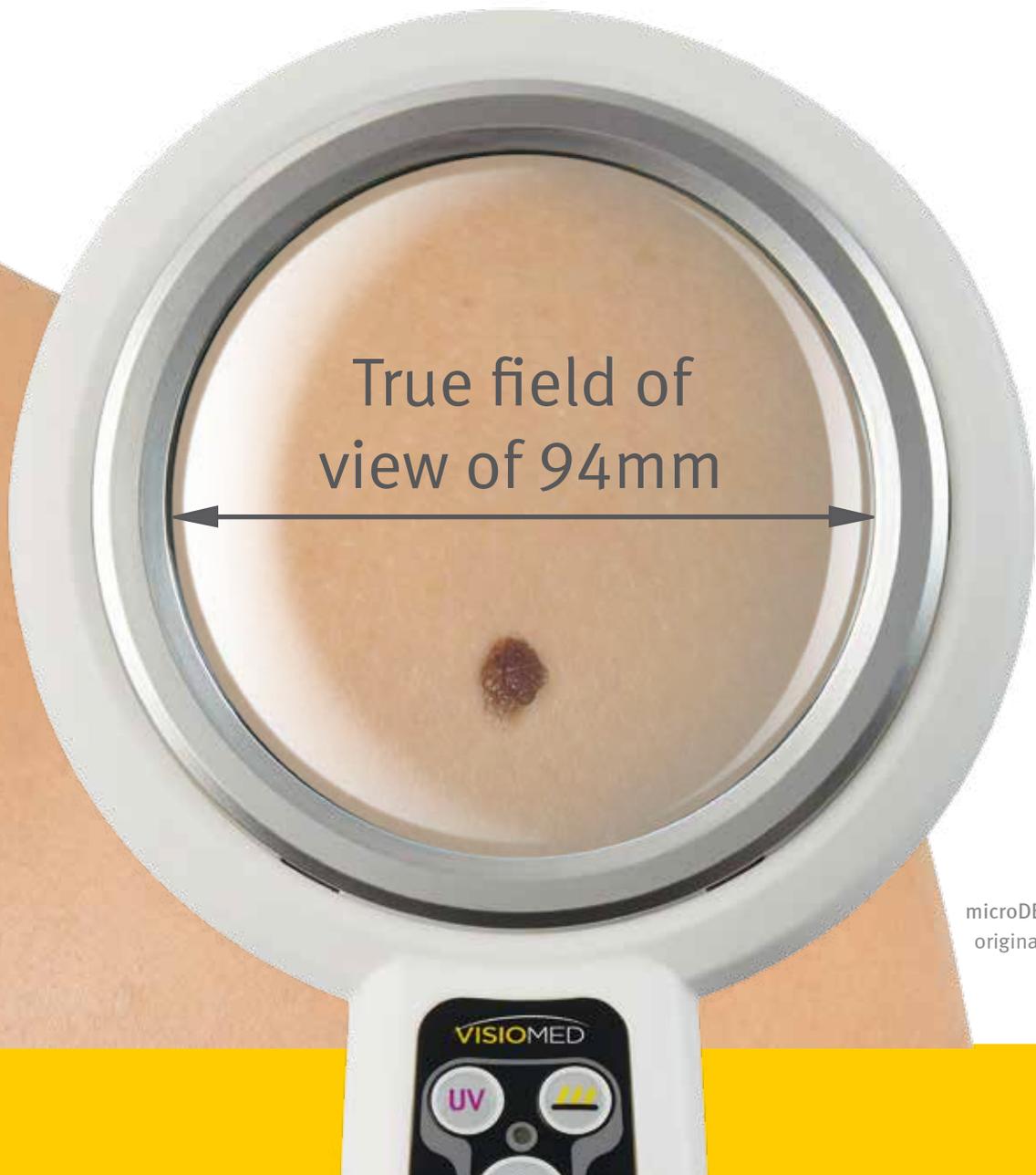
Several levels of illumination

Distortion-free magnification

Intelligent charging management

Reliable diagnostic support

Ultra-light design



microDERM® Optima UV
original scale 1:1

microDERM® Optima – Quality Made Easy

Whether used for clinical diagnosis or to obtain an overview prior to a skin cancer screening: with its maximum field of view and an illumination close to daylight, the **microDERM® Optima** magnifying examination glass offers optimum support in day-to-day practice. The ultra-low weight teamed with a powerful battery allows comfortable handling.



Your advantages at a glance:

- ✓ Two lighting modes in one appliance
- ✓ Maximum field of view within Ø 94mm
- ✓ High-performance lithium-ion battery
- ✓ Easy charging via USB or charging station
- ✓ Ultra-light design (only 330g)
- ✓ Including protective cover made of robust nylon

*depending on the appliance version



Large lens with distortion-free view

With 2-fold magnification, the quality lens ensures distortion-free viewing within a diameter of 94mm for a quick and successful examination.

The type of lighting is crucial

Natural colour reproduction is indispensable for the diagnostic assessment of all changes in skin. **microDERM® Optima** supplies precisely mixed light that comes close to the natural spectrum of daylight.

The microprocessor-controlled LEDs allow for true-colour and consistent illumination as bright as daylight – even with decreasing battery power.

Flexible charging via USB or charging station

For further enhanced handling and flexibility, **microDERM® Optima** has been equipped with a powerful battery. Highly flexible charging is possible via either USB or the charging station. When using the USB connection, the operating time may be increased even further.

Lightweight and ergonomic design

With a weight of only 330g, **microDERM® Optima** is a true lightweight that always ensures comfortable handling thanks to its ergonomic design. The high-quality finish makes cleaning easy.

microDERM® Optima – Model Comparison

	Polarised light	Non-polarised light	Directed light	Supports photodynamic diagnosis (PDD)	Wood's light exam	Several levels of illumination
microDERM® Optima Daylight 	✓	✓	✓			✓
microDERM® Optima UV 	✓			✓	✓	✓

Polarised light

Polarised light reduces reflections and puts skin irregularities in the background. This allows a better evaluation of colours and contours, even in deeper dermal and epidermal structures.

Non-polarised light

Non-polarised light is characterised by brightness, colour fidelity and homogeneity. It is a strong and unadulterated type of illumination that brings light into darkness.

Directed light

Directed light, either from the left or from the right side, makes considerably better assessment of skin structures possible, which is why this type of illumination is particularly suitable for raised lesions such as nodules or angiomas.

Photodynamic diagnosis

Photodynamic diagnosis is used in dermatology to locate tumours and precancerous conditions. A cream or gel including the active substance 5-aminolevulinic acid (5-ALA) or a comparable ingredient is applied to the suspicious skin lesion. Fluorescence of the molecules is triggered by UV light exposure. Since the molecules selectively gather in cancerous cells, fluorescence allows locating and differentiating skin cancer and precancerous conditions. Thus, for instance, the preparation of an excision can be carried out in the best possible way.

Wood's light exam

There is no need to apply any active substance when per-

forming a wood's light exam since this method triggers fluorescence of endogenous molecules. Different molecules are typical for certain diseases. This results in the fact that different symptoms show varicoloured fluorescence. Therefore it is possible to draw conclusions about the disease, if fluorescence occurs.



microDERM® Optima

offers you analytical support covering, inter alia:

1. Actinic keratosis (age spots)
2. Melanocytic tumours such as melanomas
3. Vascular skin changes
4. Fungal infections (dermatophytosis)
5. Parasites and foreign bodies
6. Skin corrections

Advantages at a Glance



Two lighting modes in one appliance



Maximum field of view for optimum screenings
Diameter: 94mm



Charging possible via USB



Charging possible via charging station
Optional base charging station



With protective cover made of robust nylon

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Developed and manufactured in line
with the strict regulations according
to ISO 9001/13485 and the German
Medical Products Act (MPG).



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