

## What does it measure?

The Mexameter® MX 18 is a quick, easy and economical tool to measure the two components mainly responsible for the colour of skin: melanin and haemoglobin (erythema).

## The Measuring Principle

The measurement is based on absorption/ reflection.

The Mexameter® MX 18 emits 3 specific wavelengths. As the quantity of emitted light is defined, the quantity of light absorbed by the skin can be calculated.

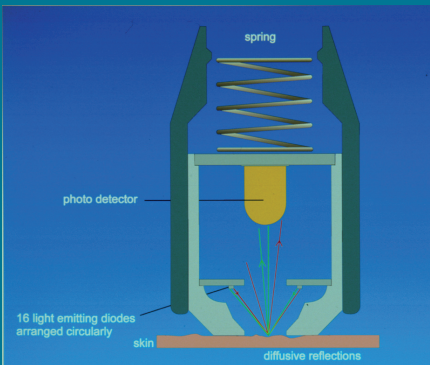
## Fields of Application

There are many fields of application where changes in the skin colour are of interest.

- Many international scientific studies demonstrate its benefits in all important dermatological and cosmetological application fields.
- It is used for objective clinical diagnosis, allergy and patch testing and measurement of melanoma and scar colour.
- It is indispensable in efficacy testing and claim support for cosmetics and pharmaceuticals (especially sunscreen and skin whitening products).
- For occupational health the skin irritation (erythema value) is of special interest.

## Advantages

- The modern, high quality electronics of the probe allow a very quick measurement.
- It is very sensitive to the slightest skin colour changes.
- A spring in the measuring head provides constant pressure on the skin.
- Its low weight ensures easy handling.
- Available for C+K MPA-System, as stand-alone device and wireless probe.



## Technical Data

Dimensions: 13 cm x Ø 2.4 cm Measuring surface: Ø 5 mm ≈ 19.6 mm<sup>2</sup> Probe cable: 1.3 m

Weight: 85 g incl. cable

Wavelengths: 3 colour measuring system green: λ = 568 nm, red: λ = 660 nm, infrared: λ = 870 nm

Units: arbitrary Mexameter® units, Accuracy: ± 5%

Technical changes may be made without prior notice.

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