

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.

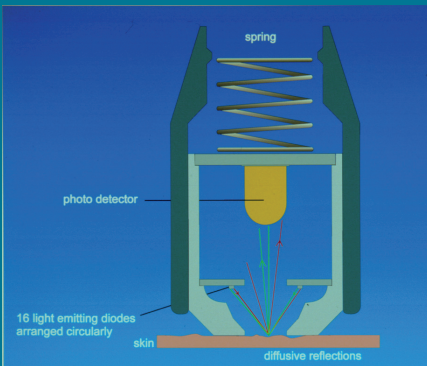
Fields of Application

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

- Many international scientific studies demonstrate its benefits in important skin related and cosmetological application fields.
- It is indispensable in efficacy testing and claim support for cosmetics and other products (especially sunscreen and skin whitening products).
- Assessment of skin soothing products.
- In occupational health the skin irritation (erythema) is of special interest to educate the necessity of protection schemes.

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 a very low 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 mm² 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.

Courage+Khazaka electronic GmbH since 1986
 Mathias-Brüggen-Str. 91 · 50829 Köln · GERMANY
 phone +49 (0)221. 9 56 49 90 · fax +49 (0)221. 9 56 49 91
 info@courage-khazaka.de · www.courage-khazaka.de

