

Measurement of Skin and Hair at the Point of Sale



Courage + Khazaka electronic

The Whole Range of Measurement Parameters

Moisture (Hydration)

The world's most commonly used method for the determination of skin surface moisture by capacitance. An essential tool for the promotion of all kinds of facial and body care products. See also determination of moisture (desquamation) with Corneofix®.



Sebum (Oil)

The photometrical measurement of skin oil is the ideal addition to the moisture measurement. Indispensable for the recommendation of facial, hair and body care products. It is especially suitable for the promotion of special oil reducing and anti-acne products. See also determination of sebum by oil collecting tape Sebifix®.



Skin pH

The determination of the natural acidic coat of skin and scalp is the basis of counselling in the field of soaps and shampoos.



Elasticity

The ideal promotion tool for elasticity increasing and anti-ageing products. The measurement is performed by the well-established suction method. The results also show pre-mature skin ageing due to lifestyle and sun-exposure.



on Skin and Hair – The Pillars for Your Success

Skin Colour

The probe can measure the melanin (pigmentation) and the erythema (redness) of the skin. Pigmentation measurements are the ideal promotion tool for sun care and skin bleaching products. Redness measurements are useful for determining skin sensitivity.



Skin Barrier Function (TEWL)

The measurement of the water evaporating constantly from the skin (TEWL) is an indication of the skin barrier function. The specially developed sensors allow quick and stable measurements even at the point of sale.



Skin Temperature

The infrared temperature measurement of the skin indicates the microcirculation and is therefore a valuable tool for selling products working in that field.



Skin Structure

Special skin video cameras give interesting and impressive images of skin & hair.



Skin Diagnostic® SD 27



An easy to handle device, allows quick analysis of the skin by moisture and sebum measurement. The results are shown on a display and a diode chain. They allow the recommendation of the individual products for each skin type. The sebum measurement can also be performed on hair and scalp. A temperature control button takes the room temperature into account for the moisture measurement.



Technical Data:

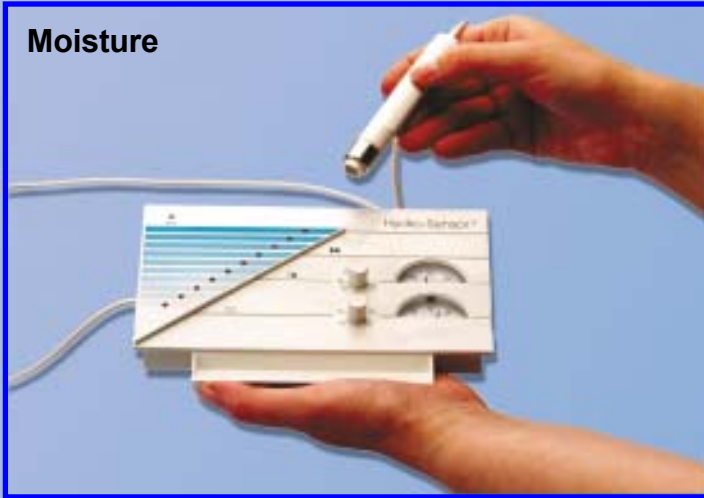
Power Supply: battery operated (9 V), optional external power supply (12 V/300 mA); Dimensions: 17 x 20 x 5.5 cm; Weight: 0.5 kg

Measurement principles: oil: photometric, hydration: capacitance

Technical changes may be made without prior notice.

Hydrosensor®

Moisture



The worldwide unique hydration measurement device, that considers room temperature and humidity in the measurement, thus allowing its usage in all different climates. The result is shown quickly on a diode chain.

Technical Data:

*Power Supply: battery (9 V), Dimensions: 18x 12 x 3 cm,
Weight: 0.25 kg; Measurement principle: capacitance
Technical changes may be effected without prior*

Sebum-Tester®

An ideal instrument for measuring sebum on skin & hair. An attached chart helps to interpret the results.

The devices are light, battery operated and portable, thus ideal to be used either on the counter, in a beauty or hairdressers salon or at the dermatologist or pharmacy to attract customers and to increase the sales of cosmetic products.



Technical Data:

*Power supply: battery (9 V), Dimensions: 13 x 12 x 5 cm,
Weight: 0.65 kg, Measurement principle: oil: photometric
Technical changes may be made without prior notice.*

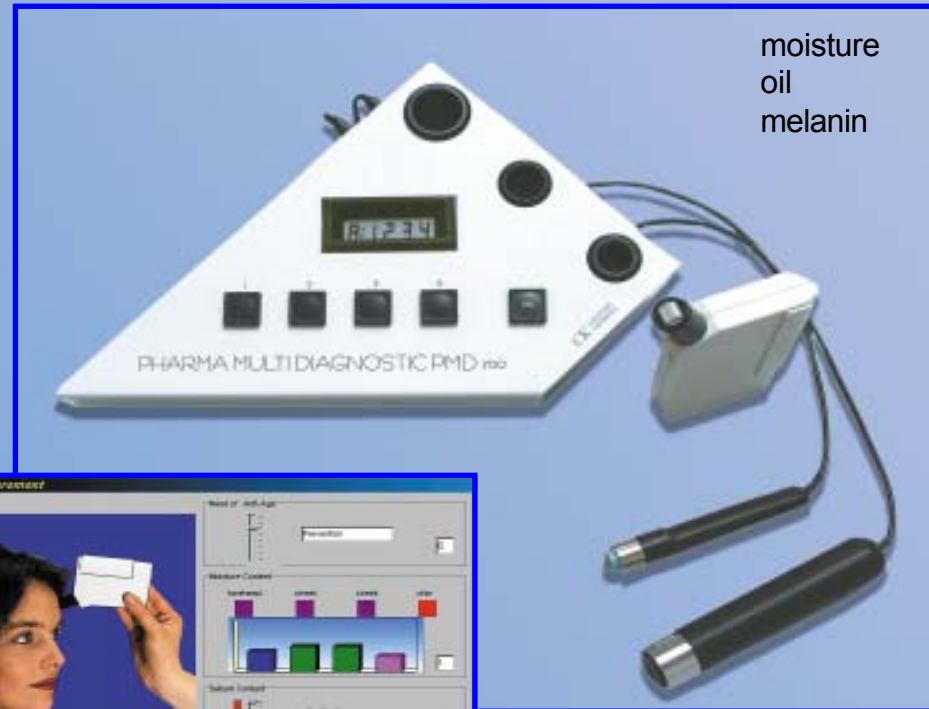
Pharma Multi Diagnostic®

The optimal tool for product recommendation.

Skin type analysis by questionnaire and moisture and sebum measurement.

Analysis of *hair type* by questionnaire and sebum measurement on hair and scalp.

Analysis of *photo type* and the natural protection time using a questionnaire and melanin measurements. Thus skin, hair & sun care products can be optimally recommended.



PMD 700



The flexible software leads the user through the programme. It is available in more than 10 languages, thus this device can be used everywhere in the world.

The programme will show the products and a detailed printout for the customer can be made.

Technical Data:

Power Supply: 100-240 V AC, 0.3 A, 50-60 Hz; Dimensions: 31 x 19 x 10 cm; Weight: 1.8 kg
Measurement Principles: oil: photometric, hydration: capacitance, melanin: absorption/reflection
Technical changes may be made without prior notice.

Sun Protection Diagnostic® SP 37

An ideal device to analyse the natural protection time of a person and the sun screen the person needs according to the intensity of the sun (location, season, reflection) and the exposure time. This is done using pigmentation measurements of the skin.

The result is impressively shown on a display and a diode chain. The device is used wherever sunscreen advice are given.



Technical Data:

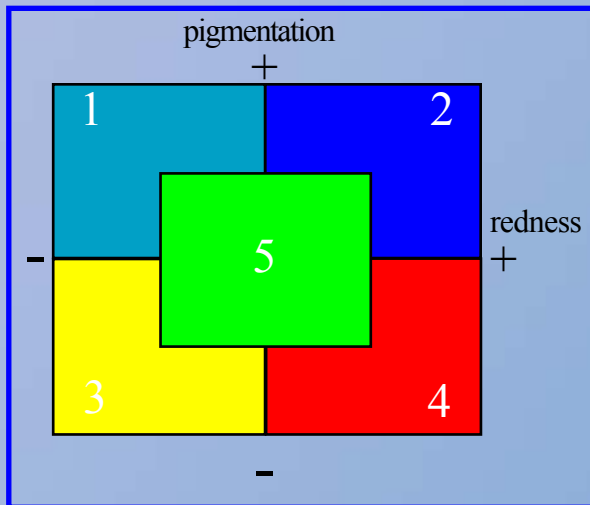
Power Supply: battery operated (9 V), optional external power supply (12 V/300 mA)

Dimensions: 17 x 20 x 5.5 cm; Weight: 0.5 kg; Measurement Principle: absorption/reflection

Technical changes may be made without prior notice.

Skin Pigmentation Analyzer[®] SPA 99

Analysis of the melanin and erythema level of the skin. The result is shown on a display. These parameters are indispensable in many cosmetic applications. A Skin Colour Balance Chart is the ideal instrument for giving advice on sun care, skin whiteners, colour cosmetics, make-up and lifestyle.



pigmentation/redness



Technical Data:

Power Supply: battery operated (9 V),

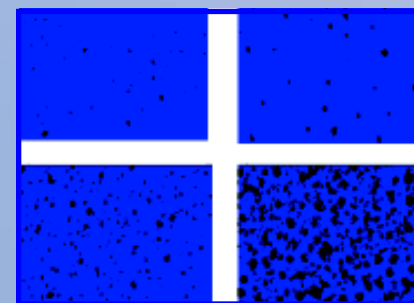
Dimensions: 13 x 14 x 4.5 cm; Weight: 0.3 kg; Measurement Principle: absorption/reflection

Technical changes may be made without prior notice.

Sebufix® F 16

Sebum Collecting Tape

A special tape that collects sebum in a very short time. It shows spots for the activity of the sebaceous glands. Using the Sebufix® together with the Visioscope® allows the sebum production to be watched live.



Both are quick and easy measurements. The results can be evaluated visually or with the Visioscope® by comparison to an optical chart. Both foils are ideal promotion tools for all kind of facial and body care products. They are

Technical Data:

Dimensions: 1.7 x 1.7 cm

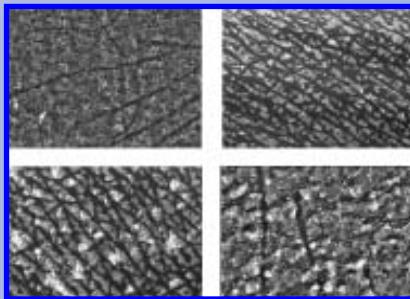
Foil is absolutely harmless to the skin.

Technical changes may be made without prior notice.

Corneofix® F 20

Desquamation Collector

A special transparent adhesive tape which collects corneocytes from the top layer of the skin. This method allows the visualisation of the level of dryness or damaged skin accurately.



especially suitable for home tests which then can be evaluated with special evaluation charts or via the internet. The foils also provide good promotional material, that could be attached to advertisements of products in journals.

Technical Data:

Dimensions: 2 x 2 cm

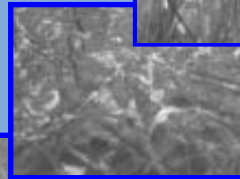
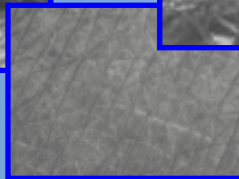
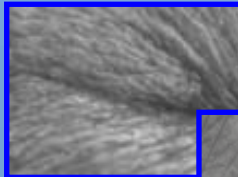
Foil is absolutely harmless to the skin.

Technical changes may be made without prior notice.

Visioscope® BW 30

CK-Visioscope® BW 30

Images taken with a special UV-light source



These unique video cameras deliver very impressive images of skin, hair and scalp.

The cameras show a skin area of 6 x 8 mm and monitor:



Technical Data:

Dimensions: approx. 118 x 56 x 48 cm, weight: 250 g, Image size: 6x 8 mm; Power Supply: BNC plug: optional external power supply: input 100-240 V AC, 50/60 Hz, 0.3 A, output: 7.5 V DC, max. 1.5 A

Technical changes may be made without prior notice.

Visioscope® Color 32

- skin texture (smoothness, wrinkles)
- desquamation (scaliness)
- skin impurities (reddening, pigmentation spots, acne, comedones etc.)
- hair structure, dandruff and condition of the scalp



With the special foils Sebufix®/Corneofix® also sebum and hydration levels of the skin can be shown.



CK-Visioscope® Color 32

Coloured images taken with white light.



The cameras must be connected to a video monitor. For the Visioscope® BW 30 there is also a Visioscope® Monitor Center available.

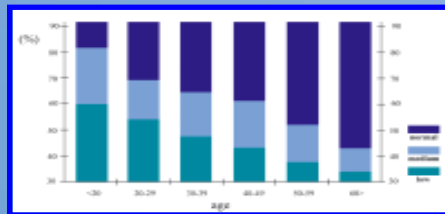
Technical Data:

Dimensions: approx. 118 x 56 x 48 mm, weight: 250 g, Image size: 6x 8 mm; Power Supply: BNC plug: optional external power supply: input 100-240 V AC, 50/60 Hz, 0.3 A, output: 7.5 V DC, max. 1.5 A; USB plug: via the computer

Technical changes may be made without prior notice.

Elastometer® EM 25

The elasticity measurement indicates the biological skin age and is performed very quickly by the well established suction method. The result is shown in % in the display. It can provide a strong selling point for e. g. anti-ageing products.



elasticity



Technical Data:

Power supply: 100-240 V AC, 0.3 A, 50-60 Hz, Dimensions: 24 x 20 x 7 cm, weight: 2.2 kg

Measurement principle: suction

Technical changes may be made without prior notice.

Multi Skin Test Center[®] MC 750

Due to new CK probe technology the device allows operation of all CK probes at the same time according to the demands of each user. The very comfortable and clear structured software simplifies the work with the system and allows to give individual product recommendations for skin care, hair care and sun screen products.

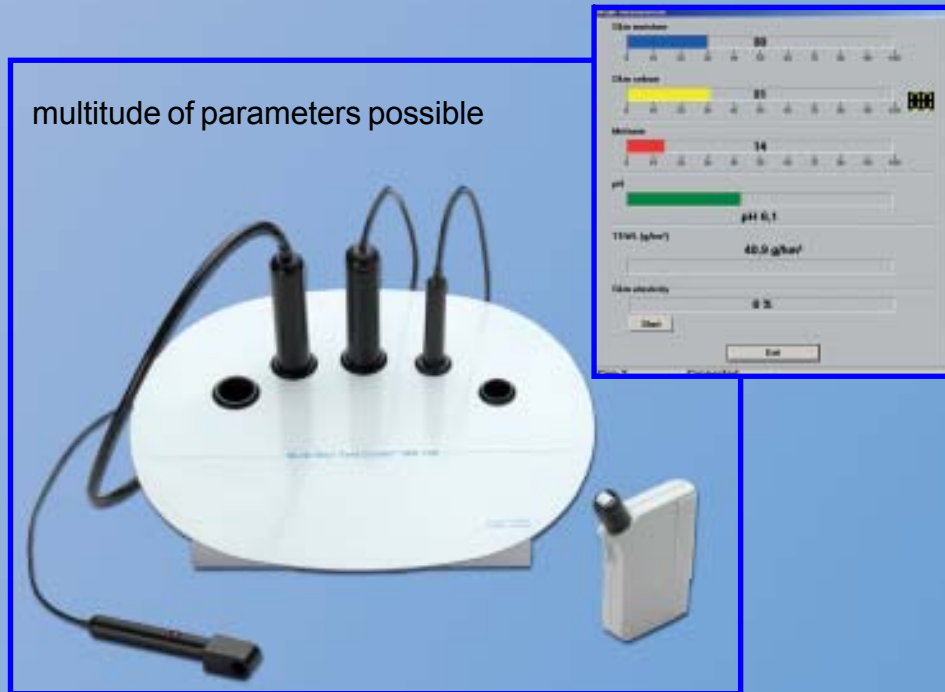
CK-measuring probes for the following parameters can be connected: moisture, oil, pH, pigmentation & redness, transepidermal waterloss (TEWL – the barrier function of the skin), skin temperature and elasticity.

In addition a special software for the use of dermatologists in order to save patient data and measuring values can be used with the same device. Individual treatments, evaluation and recommendations can be printed out. The software Dermacheck also allows to connect the Visioscope Color 32 camera via USB port to your computer to look at skin images and to save them.

Technical Data:

*Power supply: 100-240 V AC, 0.3 A, 50-60 Hz; Dimensions: 33 x 10 x 25 cm; Weight without probes: 3.2 kg
Device must be operated by an IBM-compatible computer
Technical changes may be made without prior notice.*

multitude of parameters possible



Examples for Customized



CK specialises in combining measurement methods according to the customers' needs. All kind of designs (miniature handheld devices, luxury stand alone units, or electronic built-in big towers) can be produced. The customers can select the colour and printing on the device. The measurements can be integrated in appealing software – there is no limit.....

Measuring Systems



If you have any further questions regarding the measuring principles, the devices or the possibilities for a customized device, please do not hesitate to contact CK for further details!