The C+K Multi Probe Adapter System and its Advantages

The Multi Probe Adapter System is **modular**. It consists of a **basic device** and the **probes**.

- The user chooses a basic device meeting his requirements. The probes are digital containing all calibration data. Therefore, they can be **connected to any** of them.
- The probes provide a high degree of **flexibility and stability** and can be easily serviced.
- Operation with the overall **MPA CTplus software** for all devices and probes (with cables).
- With a **check calibration function** the accuracy of the probes can be verified any time.
- **Room temperature & rel. humidity** from the sensor RTH 100 are saved with the measurements.
- Ideal system for **efficacy testing and claim support**, and all kinds of **scientific studies** as well as field tests.

Which Basic Devices are Available?

Multi Probe Adapter MPA 6
- Connection of up to five probes, inbuilt Sebumeter®

Multi Probe Adapter MPA 10
- Connection of up to nine probes, inbuilt Sebumeter®

Cutometer® Dual MPA 580
- Connection of up to two Cutometer® probes and four additional C+K standard probes, inbuilt Sebumeter®

Multi Probe Adapter MPA 2
- Connection of up to two probes, USB powered

Multi Display Device MDD 4
- Stand-alone device with one probe & ambient condition sensor, connection of two additional probes possible
- Large graphic colour display for showing results, operation with the turning knob
- Optional possibility of working with the MPA CTplus software

Which Probes for Non-Invasive Measurements Can Be Connected?

- **Corneometer® CM 825** — *Moisture*
- **Sebumeter® SM 815** — *Sebum*
- **Skin-pH-Meter PH 905** — *pH*
- **Cutometer® 580** — *Viscoelasticity*
- **Tewameter® TM Hex** — *Transepidermal*
- **Tewameter® triple TM 330T** — *Waterloss (TEWL)*
- **Tewameter® TM Nano** — *TEWL small Ø*
- **Invitro Tewameter® VT 310** — *TEWL in vitro*
- **Mexameter® MX 18** — *Melanin / Erythema*
- **Skin Colorimeter CL 400** — *Colour*
- **Glossymeter GL 200** — *Gloss*
- **Skin-Thermo-Meter ST 500** — *Temperature*
- **Indentometer IDM 800** — *Mech. Properties*
- **Frictiometer® FR 700** — *Friction Resistance*
- **RHT 100** — *Ambient condition sensor*

Technical Data for the Basic Devices (without Probes)

MPA 6: Dimensions: 27.0 x 14.5 x 7.6 cm; Weight: 1.6 kg
MPA 10: Dimensions: 39.0 x 22.5 x 7.6 cm; Weight: 3.1 kg
Cutometer® Dual MPA 580: Dim.: 39.0 x 22.5 x 7.6 cm; Wt.: 3.9 kg
MDD 4: Dim.: 14 x 27.7 x 9 cm; Display: 9.6 x 5.7 cm; Wt.:1.4 kg
Interface: USB 2.0 type B connector; Power supply: ext.100-240 VAC, 47-63 Hz, DC 12V/4A
MPA 2: Dimensions: 7 x 7.5 x 6 cm; Weight: 260 g ; Interface & Power supply: USB
Ambient Condition Sensor RTH 100: Dim.: 4.7 x 1,9 x 5 cm; Weight: 50 g; Measurement uncertainty: r.H. ± 2% , T ± 0.9°C
Technical changes may be made without prior notice.

Advantages of the Overall Software MPA CTplus

- For the first time **all probes** can be operated with **one software** and the results are saved in **one database.**
- Software works with **any MPA system** and Cutometer® Dual MPA 580 as well as MDD devices and supports **several devices at the same time**.
- Convenient, **intuitive**, modern software, **easy to navigate**.
- Perform **free measurements** anywhere, with any probe in any order or use the study manager to **design your study**.
- Easy organization of the measurements in **sessions and takes**.
- **Graphic display** of the measurements and **numerical result values** side by side.
- All information go into one database, convenient possibility of **filtering the data** you want to export to Excel®for statistical analysis with special **export assistant**.

- **Tags** are the new, modern way of **identifying measurements** in the database.
- Easy and self-explanatory **check calibration** function for the probes with report.
- New, exciting **additional aging-parameters** for the Cutometer®.
- Graphic **explanation of complex results**.
- **Intelligent software** displaying messages useful for handling or servicing the probe.
- Optional function to identify measurements **out of a certain range** of the average. These possible artefacts can be **deleted/replaced**.
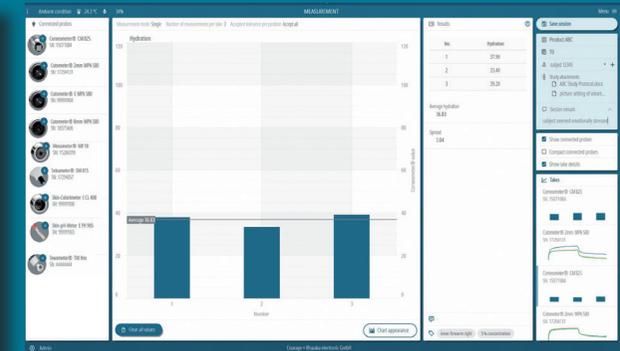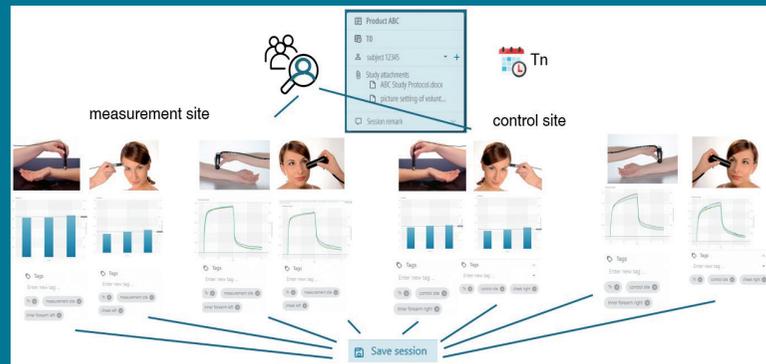
Working with the Study Manager

- Creating a study **beforehand** will save time during work as only a **minimum of clicks** is needed.
- **Select probe(s)** for one session (subject/t) and configure their use.
- Select **number of measurements** per probe/site

and the next measurement **window will open automatically**.
- **Tag** the different takes e.g. with skin area, product type, etc. These identification tags are **automatically added** during measurement.
- **Attach any files** to your study to be viewed in the measurement menue (e.g. pictures, study protocols).
- Add **subjects** anytime during your work to be available for all sessions.

Ambient Condition Sensor RHT 100

- The values for **relative humidity and temperature** from the Ambient Condition Sensor RHT 100 are constantly recorded and saved with the measurements to become more **comparable and reproducible**.
- Important as as all parameters will largely be **influenced by the ambient conditions**.

measurement site

control site

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