What Does It Measure?

The Skin-Thermometer ST 500 is a quick, easy and economical tool to measure the **skin temperature**.

The Measuring Principle

The measurement is based on relative **infrared temperature measurement**.

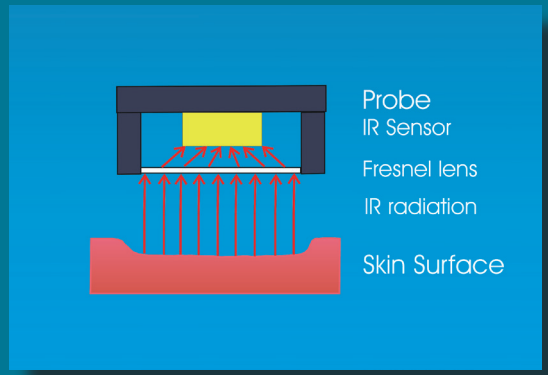
Fields of Application

The probe can be employed everywhere where differences in the skin temperature and the **skin microcirculation** are of interest.

- It is a valuable tool for **efficacy testing and claim support** for cosmetics and pharmaceuticals (e.g. microcirculation enhancing liniments).
- Ideal as **accompanying measurement** for the assessment of other parameters, e.g. skin hydration will change considerably with increasing skin temperature.
- Can be used for **basic research** for correlating skin temperature and microcirculation in dermatology and occupational health.
- Ideal for **comparison of measurements** on different body sites.

Advantages

- The probe measures **without contact**, thus not influencing the microcirculation.
- The modern, high quality electronics of the probe allow a **very quick** measurement (1s).
- The **easy handling** of the probe is perfect for measurement on all body sites.
- **Continuous** measurements possible.
- Available for C+K **MPA-systems**, as stand-alone device (**MDD**) and **wireless probe** (operation with RR 200 & MPA WLplus software).



Technical Data (for probe with cable)
Dimensions: 13.5 cm; Weight: 85 g incl. cable; Measuring surface: Ø 2.4 cm; Measurement range: 22 - 40°C;
Measurement uncertainty for absolute temperature measurements: ± 0.8° C,
Repeatability of temperature measurements: ± 0.15 K (3σ),
Measurement uncertainty of temperature differences: ± 0.21 K (3σ); Measurement principle: infrared
Technical changes may be made without prior notice.

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