

Frictiometer® FR 770 – Assessing Skin Friction

Measuring principle

The probe contains a motor, a steering unit and the friction head. A constant rotational speed (adjustable to different speeds) is applied onto the skin by the friction head. The torque is measured and the result is displayed as Frictiometer® units in the software. Different Teflon heads for the probe are available to create different friction.

There are numerous applications possible:

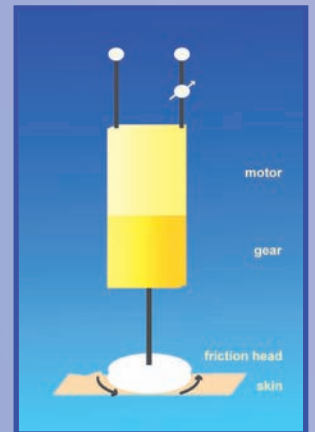
Skin Analysis

With the Frictiometer® it is possible to distinguish between normal and dry skin as well as between skin with or without wrinkles.



Testing of skin care products

Application of galenic skin care products make the skin smoother leading to lower Frictiometer® values. The w/o emulsions decrease the frictionary resistance more than the o/w emulsions and the effect is longer lasting.



Effects of textiles and papers

Different materials of course have different Frictiometer® values. For testing, the material is pulled over the friction head and fastened. Moist materials have a higher frictionary resistance thus also having a higher irritation potential on the skin. It is possible to study e.g. the effects of untreated paper tissues on the skin in comparison with paper tissues containing additives.

Technical Data

Dimensions: 2.4 x 12.8 cm, Measuring surface: 16 mm (plain teflon head), Weight: 140 g, Pressure: 0.7 N, Accuracy: ± 10 %
Technical changes may be made without prior notice.

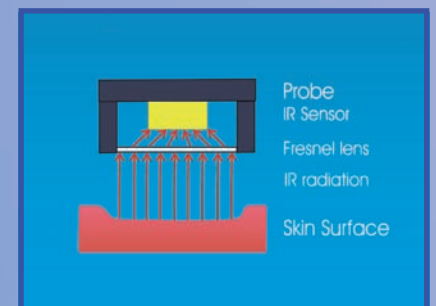
Skin-Thermometer® ST 500 – Measurement of Skin Temperature

The temperature measurement of the skin is a valuable tool for many fields of applications: besides efficacy testing and claim support for cosmetics and pharmaceuticals and objective clinical diagnosis in dermatology, there is also an application in occupational medicine, medical consultancy, and many more fields.

The measurement principle is based on relative infrared temperature measurement, which is **touchless** and gives an **immediate result**.

The modern, high quality electronics of the probe provide a quick and accurate measurement.

The low weight of the probe and the small measuring surface allow measurements on all body sites. Results measured on treated and untreated skin can easily be compared.



Technical Data:

Dimensions: 13.5 cm, Weight: approx. 68 g, Measuring surface: Ø 2.4 cm, Measurement Range: 15-35°C, Accuracy: ±0.5°C, Resolution 0.1°C

Technical changes may be made without prior notice.