

## What does it measure?

The Frictiometer FR 700 is a very interesting tool to measure the differences in friction on the skin in correlation to skin properties or products applied to the skin.

## The 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.

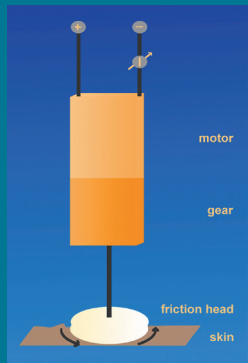
## Fields of Application

- With the Frictiometer it is possible to assess skin properties: e.g. normal and dry skin as well as skin with or without wrinkles will show different values.
- For testing of skin care products making the skin smoother leading to lower Frictiometer values. The w/o emulsions decrease the frictionary resistance more than the o/w emulsions.
- Effects of textiles and papers on the skin can be evaluated. 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.

## Advantages

- Constant pressure on the skin by the weight of the rotating disk
- Different velocities of rotation can be set.
- Measurement on different surfaces is possible, e.g. textiles, plastic, metal and many more.
- Quick measurements as well as continuous measurements over a longer time.
- The probe head can easily be cleaned.
- The irritation effects from the tests with textiles or papers can be determined with other C+K testing methods e.g. the erythema with the Mexameter®.
- Available for C+K MPA-System.



### Technical Data

Dimensions: 2.4 x 12.8 cm, Measuring surface: 16 mm (plain teflon head), Weight: 140 g, Pressure: 0.7 N, Units: Arbitrary Frictiometer units, Accuracy: ± 10 %  
 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

