

What Does It Measure?

The Indentometer IDM 800 is a quick, easy and economical tool to look at the **skin softness/stiffness**.

The Principle

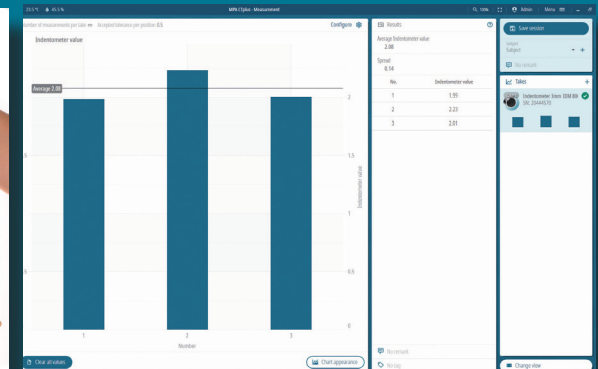
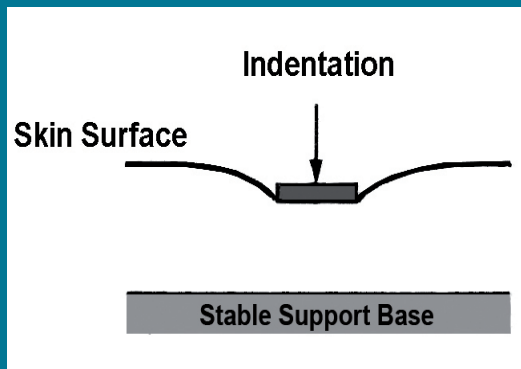
The measurement principle is based on the **force** (by a spring) used on the small indenter of the probe to deform the skin. The device measures how the probe indenter displaces the skin. The **penetration depth of the pin** (displacement) is measured in mm (0-3 mm). The firmer/stiffer the skin, the less deep is the displacement by the pin.

Fields of Application

- **Efficacy testing and claim support** (especially for firmness enhancing products for skin or scalp or anti-aging).
- Important in **dermatological research** of different skin diseases (e.g. scleroderma, etc.).
- **Clinical research** in wound and burns medicine.
- Clinical research of other medical fields e.g. gynecology, pathology and others.
- Measurement on **different surfaces** is possible (e.g. textiles, plastic, food and many more).

Advantages

- **Easy to use** and quick results.
- Perfect **addition to other elasticity measurement** approaches (e.g. Cutometer®, etc.).
- Probes with **3 different pin Ø** (2, 3 and 5 mm Ø) are available, suitable for various skin sites. The smaller the diameter (small contact area with the skin), the deeper the pin will go into the skin when using the same force.
- A special shaped probe for the firmness **measurement of the scalp** is available (pin 1 mm Ø).
- The depth of the pin can be checked any time easily and quickly with a **check calibration** tool.
- The probe head can **easily be cleaned** after each measurement.
- Available for C+K **MPA-systems**.



Technical Data

Dimensions: 14 cm, Cable length: approx. 1.3 m, Measuring pin: Ø 1 (only for scalp), 2, 3 and 5 mm, Weight: approx. 75 g
 Measurement principle: vertical displacement of the skin by a pin (in mm), Measurement range: 0-3 mm (2 decimals),
 Resolution: 50µm, Measurement uncertainty: ±0.175 mm
 Measurement principle: indentometry
 Technical changes may be made without prior notice.

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