

## PRODUCT INFORMATION: SCALAR MOISTURE CHECKER FOR SKIN

A unique and powerful point of purchase selling tool that instantly shows the effectiveness of moisturizing and conditioning products, and lets you follow the progression of the skin care regimen.



Just press it onto the area to be measured, wait for the beep, and then read the numerical display.

### Benefits and features:

- Accurate correlation with actual moisture content
- Controlled measurement depth into the skin
- Easy to Operate
- Reliable / Repeatable / Trouble-free
- Low cost and very durable – 1000s of uses
- Light-weight, battery-powered, and portable for hand-held use

**Moisture Checker Reference Points:** Following are some reference points gathered from measurements taken in clinical studies, in salons, and at exhibitions which can be used to put Moisture Checker measurements into perspective.

Reading	Indication	Recommendation
45.1 and up	Very High	Use moisturizer as needed
39.1 - 45.0	High Normal	Continue using moisturizer
27.1 - 39.0	Mid Normal	Use moisturizer to raise moisture levels for smoother and younger looking skin
22.1 - 27.0	Low Normal	Moisturizer is recommended to raise moisture levels for healthier, smoother, and younger looking skin
12.1 - 22.0	Low	Moisturizer is highly recommended to promote healthy, smoother, and younger looking skin
Below 12.1	Very Low	Moisturizer is needed for healthy, smoother, and younger looking skin

Conditions such as climate, time of day, as well as individual differences such as a person's geographic area and lifestyle can all influence what is "typical" for that person.

**Average Measurements for Three Areas:** Measurements were taken on the forehead, near the eye and under the forearm on a large sampling of people to determine relative averages.

Area	Forehead	Near Eyes	Under forearm
Under Hydrated	0 – 36	0 - 40	0 - 36
Normal	36 – 54	40 – 52	36 – 43
Over Hydrated	54 – 99	52 – 99	43 – 99

**Evaluation of Skin Moisture Content for Atopic Dermatitis Using the Scalar Moisture Checker:** Correlation between deterioration of skin function and moisture content of skin - 22 cases ranging in age from 17 - 53 years compared with 86 cases of healthy people.

Results	Reading
Moisture content / Healthy	35.5 +/- 1%
Moisture content / atopic with tetter	24.3 +/- 5%
Moisture content / atopic without tetter	31.4 +/- 3%

## SPECIFICATIONS:

Range of Reading	0 – 99.9
Accuracy	+/- 0.2%
Operating Temperature	5 – 25 C
Power	2 AAA battery
Size	7.5 x 1.5 x .75 inches
Weight	0.2 lb

## Questions & Answers

### How deep does the Moisture Checker measure hydration?

80% of the reading is influenced by the top 10 microns and 90% by the top 200 microns yielding a reading that relates to the depth of the skin where hydration is most important for health and appearance.

### What if the reading seems off?

Check 2-3 times near the same area, as on occasion the sensor may show an erroneous number due to poor positioning, failure to clean the sensor, or other factors.

### How hard should the Moisture Checker be pushed against the skin?

The sensor is spring loaded, and it must be pushed so that it goes into the Moisture Checker housing. Only minimal pressure is needed to accomplish this.

### How should the sensor be cleaned?

Use a tissue or dry cloth. Non-oily alcohol can be used. Be careful not to scratch the sensor tip.