

Scalar Moisture Checker: MY-808S

Frequently Asked Questions

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1. How is the moisture checker used?
2. How do I operate the moisture checker?
3. How does the moisture checker work?
4. How can I use the Moisture Checker to help market my skin care products?
5. Is the Scalar Moisture Checker better than other moisture meters?
6. Why does it cost more than similar devices?
7. Does it work with both water and oil based products?
8. How is the Moisture Checker powered?
9. How long will the batteries last?
10. What is the best method for checking moisture levels?
11. What do the percentage readings mean?
12. How high does the percentage reading go?
13. What is the "best" body moisture percentage reading?
14. How do I interpret the results?
15. Can I use the Moisture Checker on the hands, feet and thighs?
16. Which areas of the body are the best to take a measurement at?
17. What if the percentile readings have large variations, such as 10 percentage points?
18. If I add a moisturizing product to the skin will the moisture checker show a higher percentage reading?
19. What does it mean when I take a measurement and the message window displays E01 or E02?
20. How do I clean the Moisture Checker?
21. How do I care for the sensor tip?
22. Does the Moisture Checker ever need to be calibrated?
23. What is the External Data Port for and how do I use it?
24. How long will the Moisture Checker last?
25. Does the Moisture Checker have a warranty and what does it cover?
26. If my Moisture Checker does not operate properly, fails to power on or is damaged can I get it repaired?

1. How is the moisture checker used?

The Moisture Checker is 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.

2. How do I operate the moisture checker?

Simply press the power button to turn the unit on. Place the sensor end gently against the skin and press lightly until the sensor retracts into the tip. Wait for the beep, and then check the reading returned in the display window.

3. How does the moisture checker work?

The unit uses a capacitance sensor to measure the permittivity* of the skin. Because the permittivity of water is extremely high compared with other materials, and the protein molecules associated with hydration directly correlate to permittivity, by measuring the permittivity you can see the percentage of the moisture of the skin. To measure the permittivity, the moisture checker also measures capacitance.** It measures the affect the skin has on an array of sensors that are conducting micro-currents of electricity - this directly relates to number of protein molecules and hence hydration.

** Permittivity is a measure of the degree to which molecules of some material polarize (align) under the influence of an electric field.*

***Capacitance, in electricity, capability of a body, system, circuit, or device for storing electric charge.*

4. How can I use the Moisture Checker to help market my skin care products?

Use the unit to illustrate the moisture component and retention levels of your product by utilizing "hands on" demonstrations. It is an excellent "ice breaker" for use in groups by creating audience interest, encouraging people to begin talking about skin care.

5. Is the Scalar Moisture Checker better than other moisture meters?

The Scalar unit has gone through extensive comparative testing and has been evaluated for calibration with units costing thousands of dollars. It has performed with outstanding results.

6. Why does it cost more than similar devices?

The research and development cost, as well as the quality of the product and the reliable results it produces are why the product is slightly more expensive.

7. Does it work with both water and oil based products?

The moisture checker is not intended to be placed on or in product itself. The device is simply looking at changes in capacitance at the sensor, regardless of the cause. It is the affect the water or oil-based product has on the number of water molecules in the skin that is being measured, not the product itself.

8. How is the Moisture Checker powered?

The unit is powered by two (2) AAA batteries.

9. How long will the batteries last?

336 continuous hours or longer (about two weeks when AAA alkaline batteries are used). Also, the unit is equipped with an automatic power-off feature and will automatically power down if a reading is not initiated within 20 seconds, thus extending the battery life.

10. What is the best method for checking moisture levels?

Wipe off any excess skin care cream or make-up foundation. Apply the sensor perpendicular to the skin area being tested. Press the sensor gently against the skin surface until the spring loaded tip is depressed into the unit. Wait until you hear a beep indicating a reading has taken place.

11. What do the percentage readings mean?

The following are reference points gathered from manufacturer recommended measurements, and base upon readings taken at exhibitions and in salons. These can be used to put Moisture Checker measurements into perspective.

Moisture Checker Reference Points:

Reading Indication

45.1 and up

Very High

39.1 - 45.0

High Normal

27.1 - 39.0

Mid Normal

22.1 - 27.0

Low Normal

12.1 - 22.0

Low

Below 12.1

Very Low

12. How high does the percentage reading go?

The unit measures moisture readings up to 70%.

13. What is the "best" body moisture percentage reading?

While there is not really a "best" moisture percentage, 22.1 to 39.0 are considered to be in the normal range. (22.1 - 27.0 Low Normal and 27.1 - 39.0 Mid Normal)

14. How do I interpret the results?

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

15. Can I use the Moisture Checker on the hands, feet and thighs?

Yes, however, each of these areas will likely have different percentile readings. It is important to be consistent in the way you utilize the tool as a measuring device. The forehead, area adjacent to the eye and under forearm are good measuring points.

16. Which areas of the body are the best to take a measurement at?

The forehead, near the eye and under forearms. The under forearms are especially good initial points, as most people do not normally apply additional moisturizing products to these areas. Taking a reading on both forearms in the same general area on each arm will produce a baseline moisture percentile of surface hydration. From our independent testing, readings from both under forearms are generally very close, if not almost the same for both arms. This helps you determine a baseline and supports the accuracy of the product. It is especially effective in demonstrating average moisture levels between persons in a group setting.

17. What if the percentile readings have large variations, such as 10 percentage points?

Water, such as perspiration or the use of moisturizers will influence the percentile measurement that is returned. Make an effort to ensure that the area to be sampled is dry and does not have any additional surface moisturizers present. If you receive wide percentage readings in the relatively same area, simply re-check that area.

18. If I add a moisturizing product to the skin will the moisture checker show a higher percentage reading?

Yes. For example, first check under the forearm with no products applied and record that reading. Apply water to the same area of the skin surface and does a check, the Moisture Checker will return a significant percentile increase.

19. What does it mean when I take a measurement and the message window displays E01 or E02?

Both messages mean that there is some dirt or other material on the surface of the sensor. Simply wipe the tip clean with a dry, soft cloth.

20. How do I clean the Moisture Checker?

Use a soft, lint free cotton cloth and be careful when wiping the unit so as not to damage the sensor tip. An antibacterial wipe, or a lint free cotton cloth moistened lightly with rubbing alcohol may be utilized if reading is done between multiple persons.

21. How do I care for the sensor tip?

You should wipe the sensor lightly with a lint free cotton cloth to keep it clean so that the readings remain accurate. Always be sure to replace the sensor's protective cap.

22. Does the Moisture Checker ever need to be calibrated?

No. If the sensor does not return accurate data then sensor should be replaced rather than re-calibrating.

23. What is the External Data Port for and how do I use it?

MY-808S Moisture Checker was originally designed with the possibility of enhancing its function in the future. Currently there are not any other devices developed for use with the external data port.

24. How long will the Moisture Checker last?

With excellent durability and if cared for properly, the unit should provide the user with a long-life. Always replace the sensor's protective cap when not in use.

25. Does the Moisture Checker have a warranty and what does it cover?

The Moisture Checker comes with a 90 day manufacturer's warranty which guarantees the product against failure due to manufacture defects within 90 days of purchase.

26. If my Moisture Checker does not operate properly, fails to power on or is damaged can I get it repaired?

Within the warranty period the unit would likely be replaced rather than repaired.

**Scalar America has provided assistance and technical specifications to The SkinD.R.™ Team in compiling the information for the MY-808S Moisture Checker.*