

Smart Sensor SS03



Skin Hydration Measurement

Water is an essential element for life and also for maintaining the skin in good condition. The skin requires to be appropriately hydrated; frequent showers and aggressive cleaning agents will damage the protective moisture barrier. This phenomenon can be effectively counteracted, once it is known the actual level of hydration.

SS03 sensor, together with SkinTester app, helps you to take care of your skin by measuring the current moisture level of the superficial layers of the epidermis. Knowing the level of hydration of the skin allows to get a very important indication for the prevention of possible diseases and the choice of appropriate care products.

SS03 consists of a small cylindrical probe which, resting on the affected skin area, is able to detect the variation of the electrical capacitance of the skin surface as a function of the moisture contained in the skin. There is no electrical contact with the area of examination and the measurement is not influenced by chemicals substances applied to the skin.

The level of hydration is represented by an index that can range from 0 to 100, easily readable on your own smartphone. The measurements can be easily stored allowing you to observe in time the status of a particular area of the body. SS03 uses no battery and is connected to the mobile device via the audio jack of the headset.



Ordering codes:

Code	Part	Description
8803300	SS03	Skin moisture probe
2400255	-	CTIA-OMTP adapter
2400256	-	Extension cable L= 1m
2400257	-	Extension cable L= 2m



SS03 sensor



The SS03 sensor is compatible with the Android app SkinTester. You can download this app from Google Play Store.



Technical specifications

HYDRATION INDEX MEASUREMENT

Operating range: 0...100

DATA COMMUNICATION

- AudioCom serial interface
- Conn. Jack 3.5 mm 4P (CTIA compatible)

MOISTURE DETECTOR

Interdigitated Capacitor (IDC)

POWER SUPPLY

Supplied via AudioCom interface ($P < 0.5 \text{ mW}$)

OPERATING TEMPERATURE (T_a)

- 10°...55°C working (RH max 85% at 25°C)
- 20°...60°C storage

VARIE

- Brass housing with satin chrome-plated finishing
- LED indicator for power on

DIMENSIONS

Ø18 mm x 50 mm

WEIGHT

~45 g