

Skin Sensors

Analyzing the Skin Condition

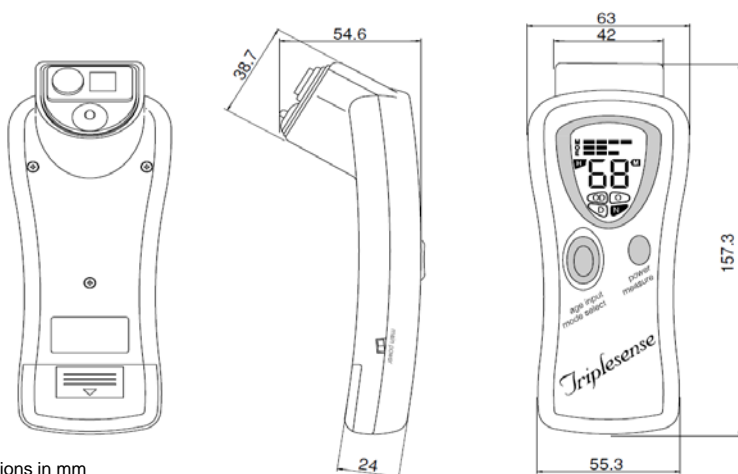


Skin sensors are important tools in esthetic skin counseling since they give fast, relevant results for the key factors determining the actual skin condition. Evaluating skin moisture, sebum, and elasticity in seconds give the basic information needed to select the appropriate skin care products without major expense or time.

MORITEX and SCHOTT offer various sensors combining the measurement of the different skin conditions required. Common features of all sensor variations are battery-operated power supply and thus portability.

Applications	Sensor Products
<ul style="list-style-type: none">Moisture (Hydration, Skin Surface Moisture) Surface skin moisture measurement is performed by a capacitive sensor. The higher the capacitance of the skin, the higher the resulting score and the more hydrated the skin is at the point of measurement.	MoistSense Basic moisture sensor in a slim, pen-shaped housing. Relative moisture values corresponding to a scoring scale from 0 to 99 are displayed on a digital readout.
<ul style="list-style-type: none">Sebum (Oil, Skin Surface Lipid) Sebum can be determined optically by a photometric sensor being placed directly onto the skin. Sebum increases the amount of light reflected from the skin which is collected by the sensor giving a relative value.	Dual Sensor In addition to moisture, this sensor evaluates the amount of sebum on the particular area of the skin. This allows the user to check the balance of both parameters and determine the resulting skin type (oily, oily-dry, dry, or normal). A relative measurement value is displayed for both measurements along with an age-based ranking.
<ul style="list-style-type: none">Elasticity (Firmness) The elasticity sensor applies an unique measurement technique where a tiny sensor tip oscillates at a particular frequency and, when applied to the skin, will exhibit a change in the frequency reflecting the firmness of the skin. The greater the change in frequency, the more elastic the skin and higher the score.	Triplesense To further expand upon the parameters measured by the Dual Sensor, elasticity is analyzed in addition to the moisture and sebum. Since elasticity is a key indicator of aging skin, the Triplesense is ideal for anti-aging skin care counseling.
	Both the Dual Sensor and Triplesense measure the sebum using optical technology without the use of disposable tapes.

Specifications	MoistSense P/N 1252270	Dual Sense P/N 1252269 TripleSense P/N 1252268
Measurements	Moisture (Electrical Conductivity): 0 – 99	Moisture (Electrical Conductivity): 0 - 99 Sebum (Optical): 0 - 99 Elasticity (Ultrasound): 0 - 99 (TripleSense only)
Display	Digital LCD Display, 2-Digit Numerical and Indicator Bars	Multi-Character Black and White LCD Display
Power Supply	Battery Operated (Alkaline preferred) 2 x Type AAA (LR6) (included)	Battery Operated (Alkaline preferred) 2 x Type AAA (LR6)
Power consumption	30 mWatt	250 mWatt
Dimensions	31 x 18 x 156 mm (W x H x L)	63 x 54.6 x 157.3 mm (W x H x L)
Weight	60 g (including Batteries)	115 g (without Batteries)
Operating Conditions	Temperature: 15°C - 35 °C Humidity: 0 - 80 %	Temperature: 15°C - 35 °C Humidity: 0 - 80 %



All dimensions in mm

USB-Station P/N 1252287

(Optional for Dual Sensor and TripleSense)

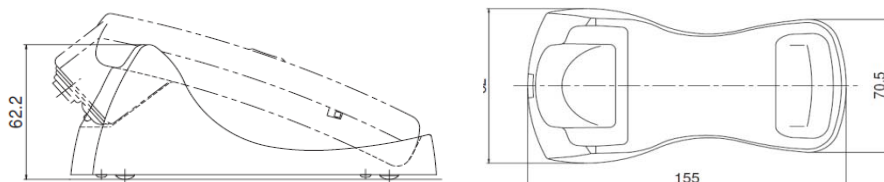
The USB Station enables the direct transfer of measurement data onto a PC or Notebook via USB. The enclosed viewer software allows management of measurement results on the screen and storage of data for future reference.

System requirements

- Operating System: Windows 98/ME, 2000, XP, Win 7 under development
- Hard Disk Space: < 10 MB
- CD-ROM Drive: Required for Installation
- Monitor Resolution: 1024 * 768 pixels (Recommended)
- USB-Interface: 2.0 Compatible
- USB-Cable: USB/USB Mini (Included)



Viewer Software for USB-Station



USB-Station

Version 05.2014

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