

Technical specifications

- Light source: High intensity white LED.
- Colorsensor: 4 x 16 elements.
- Display: Backlit LC-display.
- Read-out: E&M (erythema & melanin), CIE-Lab WLED (optimized for white LED illumination), RGB, XYZ, CMYK, Hunter-Lab optional.
- Bidirectional PC communication via USB.
- Battery / lifetime: 2 pcs. alkaline LR 6 size AA / 20 hrs. continuous operation, 2 years in standby mode (off).
- Auto shut down after 60 secs.
- Operation temp.: 10-40 Deg. C. Humidity: 10-90 % rel. non-condensing.

Other instruments by Cortex Technology



DermaScan® C COMPACT

High resolution ultrasound scanners providing state-of-the art cross-sectional as well as three-dimensional skin images. With these units, structures with dimensions as small as 25 by 60 micrometer can be non-invasively visualized in real-time. The DermaScan® series offers probes at 20 and 50 MHz and a full featured skin analysis software package.



DermaLab® USB

The DermaLab® is a comprehensive skin testing concept offering a range of modules for testing various skin parameters including Trans Epidermal Water Loss (TEWL), skin Elasticity using a light weight suction cup method, hydration of the stratum corneum based on the measurement of conductance and sebum by means of an oil specific microporous film. All modules are fully controlled and configured via an easy-to-use dedicated computer interface.



CryoPro®

Liquid nitrogen cryosurgery is by far the most effective cryosurgical treatment modality available today, and here the CryoPro® is in a league of its own. Superior performance, a wide range of accessories and outstanding reliability combined with our three year full warranty makes it the preferred choice for cryosurgical procedures.

DSM II ColorMeter



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DSM II ColorMeter

...versatile and innovative color measurement

The DSM II ColorMeter offers a new and innovative approach to color measurement.

By taking advantage of the latest achievements in advanced color sensing technology, the instrument combines high sensitivity and durability with flexibility and ease of operation.

The device consists of a hand-held unit with built-in backlit display and a cable connected color sensing probe. This design provides the highest degree of freedom and flexibility in operating the instrument, and it allows the user to place the probe in virtually any position, still being able to read the display and operate the instrument.

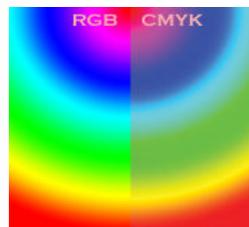


Apparatus

Operation of the DSM II ColorMeter is fully controlled by just two buttons conveniently positioned on the front of the unit. One button turns on the unit and triggers the measurement. Just briefly pressing this button will flash the light source and capture a reading. Keeping the button pressed will make the device measuring for as long as the button is activated, thus allowing for continuous color vs. time recordings.

The second button offers mode setting and instrument calibration. Switching the mode will step through the built-in color systems. Keeping the button activated will calibrate the device, for which a calibrator is supplied with the unit.

The cable connected probe features the color sensor, filters, optics and light source. Light is provided by two high intensity white LED's, and a unique feature is the guiding light, which illuminates the target during the positioning of the probe.



Once the probe is in place and the measurement is triggered, the LED's flash at full power to illuminate the target area.

As a special feature, internal reflections and the influence of unwanted light through the clear probe front is eliminated by optical focusing on the 7 mm target area.

Operating on just two AA batteries, the DSM II ColorMeter provides continuous operation for at least 20 hours.

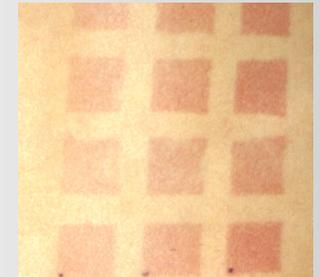
Applications

Like its predecessor - the DermaSpectrometer - the DSM II ColorMeter has a number of skin related applications, e.g. within efficacy testing of various cosmetics and sunscreen products. For this the *standard* configuration offers a read-out of erythema and melanin (E&M) based on the light absorption characteristics of human skin. This configuration also provides RGB and CIE-Lab values.

Further, an *industrial* configuration provides RGB, CMYK, CIE-Lab, Hunter-Lab and XYZ color spaces especially useful for quality control applications within the plastics industry, in printing, textiles etc.

Accessory products

The DSM II ColorMeter is a fully self-contained stand-alone device without the need for being connected to any peripheral devices, and no other accessories are needed.



The DSM II ColorMeter has skin related as well as industrial applications.



On the front of the unit, a USB interface connector facilitates storage of large amounts of data on a PC- e.g. for documentation purposes in medical study protocols.

For this purpose, an optional LabView based application software package is available, which features direct import of data into Excel for storage and further processing including conversion to additional color systems. The software also provides a unique upload function, which enables the user to customize the device by uploading other color systems.

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WINDOWS® is a registered trademark of Microsoft Corporation.