

Lovibond® Colour Measurement

Tintometer® Group



LC 100 & SV 100 Spectrocolorimeter

- Hand-Held Imaging Spectrocolorimeter
- Unique housing stand to protect sample from ambient light
- Enables measurement of food, powders, cosmetics & pastes
- Versatile communication of colour measurement
- Single, simple, reliable, integrated tool - no need to connect to PC
- Readings and comparison charts in just seconds
- Information on colour and surface texture effects
- Conformance reports in PDF and Excel formats
- Precise Image Sampling with 9 Band Accuracy

Market sectors

Food & Beverages

Pastes, Powders & Gels

Household Goods

Pharmaceuticals



Lovibond® LC 100

The Lovibond® LC 100 enables the setting and maintenance of colour standards throughout the manufacturing process. It is lightweight, easy to handle and ready to use. In just over a second, it not only provides a colour reading of the sample but also a report telling how close that colour is to a measured standard. Together with the Lovibond® SV 100, it is the ideal solution for the colour measurement of food, powder, cosmetics, pastes and pharmaceuticals.

Features

- More accurate colour measurement – takes images of a sample using 8 different visible illuminations and 1 UV LED (9 bands)
- Unique imaging technology – 45°/0 optical geometry and image capture technology gives a better match to visual observations
- Precise Positioning on sample – enables preview of measurement area and the storage and recall of image after measurement
- Information on colour and surface texture effects – each measurement is a combination of 27 images illuminated with different colours from different directions

- Easy identification of measurements – samples can be tagged by keyboard or built in voice recorder
- Better quality control – Up to 30 reference standards can be measured and stored by date and time and up to 350 sample measurements can be stored for comparison to the reference standards
- Save and print results – the LC 100 creates PDF and CSV files which can be accessed via USB

Test Results

Test results are easily viewed with:

- Graphical Pass/Fail indicator
- Display of ΔE for all common methods ie CIELAB, CMC, CIE 94, 2000
- Display of measured and delta differences with $L^*a^*b^*C^*h^\circ$ for standard and sample
- Graphical $L^*a^*b^*$ plot
- Verbal colour difference description

Lovibond® SV 100

The SV 100 holder supports the LC 100 at an ergonomic viewing angle for measurement of samples in Lovibond® optical cells. A secure cap protects from excessive ambient light, while delivering quick and accurate readings.

Specifications

Measuring Geometrics	45°/0 Image Capture
Light Source	Independent tri-directional 25 LED (8* visible wavelengths; 1* UV)
Illuminant/Observer	D65 & A(10°)
Standards/Sample Storage	30/350
Measurement Time	1.8 seconds
Measuring Area	4 & 8mm
Short Term Repeatability	Typical 0.10 ΔE 94 on white (D65/10°)
Display	4.5cm Colour TFT
Data Interface	USB (Mass Storage Device)
Operating Temperature	0° to 40°C (50° to 104°F)
Storage Temperature	-20° to 60°C (-4° to 140°F)
Humidity Range	20-80% RH (non-condensing)
Usage	Indoor use only
Altitude	2000m
Pollution Degree	2
Transient Overvoltage	Category II

Order No	Product
401100	Lovibond® LC 100 Spectrophotometer
401120	Integrated package: LC 100 & SV 100 Kit
132750	Replacement cells (10mm, Pk 100)

www.lovibond.com

sales@tintometer.com

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The Tintometer Ltd

T: +44 (0)1980 664800
F: +44 (0)1980 625412

Tintometer – China

T: +86 10 8525 1111 Ext 330
F: +86 10 85251001

Tintometer Inc

T: +1 941 756 6410
F: + 1941 727 9654

Tintometer – South East Asia

T: +603 3325 2286
F: +603 3325 2287

Tintometer GmbH

T: +49 (0) 231/94510-0
F: +49 (0) 231/94510-20

Tintometer India Pvt. Ltd

T: +91 (0) 40-23883300
Toll Free: 1800 599 3891/92

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