

# Lovibond® Colour Measurement Tintometer® Group



## LC 100 SV 100 Kit

Hand-Held Imaging Spectrocolorimeter With Viewing Stand



- Handheld and Benchtop Spectrocolorimeter providing Fast, Precise and Accurate Colour Measurement
- Up to 350 Sample Measurements can be Stored and Compared to Reference Standards
- Conformance Reports Available in PDF and Excel Formats
- Precise Positioning on Sample with Preview of Measurement Area

Part Number: 401120

### Handheld and Benchtop

The LC 100/SV 100 offers the ultimate in flexibility. Its compact and lightweight design along with its uniquely designed viewing stand ensures the instrument can be used anywhere within a busy manufacturing plant or laboratory. Fitting in the palm of your hand the lightweight LC 100 unit offers easy one-handed operation for prolonged use. While the SV 100 viewing stand enables awkward samples to be measured using Lovibond® optical cells, giving fast and accurate results.

### Accuracy

Despite the lightweight and compact design, the LC 100/SV 100 does not compromise on accuracy. Using 8 different visible illuminations and 1 UV LED along with the 45°/0 optical geometry and image capture technology, the user can feel confident in the results they are receiving.

### Reporting Results

To make reporting as quick and easy as possible, the LC 100/SV 100 automatically creates conformance reports in either PDF or Excel formats. The user can then share these with a PC or directly to a compatible printer.

### Storage

The LC 100/SV100 can store up to 350 sample measurements, these samples can then be tagged via the LC 100/SV 100's on-screen keyboard or built in voice recorder. The LC 100/SV 100 can also store up to 30 reference standards by date and time, ensuring a high level of quality control when comparing results.

### Suitable for Multiple Applications

The versatility of the LC 100/SV 100 means its suitable for multiple applications and has the ability to report with a display of  $\Delta E$  for all com-

mon methods i.e. CIELAB, CMC, CIE 94, 2000, plus a display of measured and delta differences with  $L^*a^*b^*C^*h^*$  for standard and sample, graphical  $L^*a^*b^*$  plot.

## Industry

Chemical Industry | Food and Beverage Industry | Industries Others | Oil and Gas | Pharmaceutical Industry

## Application

Chemicals | Coatings | Food and Beverage | Household Products | Medical and Clinical Products | Pharmaceuticals and Cosmetics | Plastics | Sugar Solutions, Syrups and Honey | Textiles

## LC 100 SV 100 Kit

The LC 100/SV 100 is a highly flexible and lightweight spectrophotometer. This handheld and benchtop unit offers the user the ability to capture fast and accurate colour measurement throughout the manufacturing process. In just over a second, the LC 100/SV 100 will provide a sample reading along with a comprehensive report of how close the colour is to a self-programmed standard.

## Technical Data

<b>Applicable Standard</b>	ASTM E308
<b>Colour Type</b>	Transparent Translucent Opaque
<b>Display</b>	4.5 cm Colour TFT
<b>Interfaces</b>	USB
<b>Measuring Geometries</b>	45/0 Image Capture
<b>Internal Storage</b>	30 standards/350 sample results
<b>Measurement Time</b>	1.8 seconds
<b>Storage Temperature</b>	-20° to 60°C (-4°F to 104°F)
<b>Short Term Repeatability</b>	Typical 0.10 $\Delta E$ 94 on white (D65/10)
<b>Illuminants</b>	CIE Illuminant A CIE Illuminant D65
<b>Portability</b>	Portable

## Delivery Scope

- LC 100 Handheld Spectrophotometer
- SV 100 Viewing Stand
- Carrying Pouch
- 10 x Plastic Cells (10ml)
- Cell Adaptor
- USB Cable for Power Supply and Data Transfer



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