

# Lovibond® Colour Measurement Tintometer® Group



## Model F (BS 684) with Compensating slides

Visual Colorimetry : Lovibond® Precision



- Glass Colour Standards Housed in Durable Racks
- Prismatic Optical System Provides Improved Colour Matching
- Balanced Field of View
- Replaceable Sample Chamber Liner

Part Number: 180270

### Visual Colorimeter for Lovibond® RYBN Scale

The Model F is a visual colorimeter designed to optimise the use of Lovibond® glass filters in order to express colour in terms of Lovibond® Red, Yellow, Blue and Neutral.

### Ideal for Measuring Animal & Vegetable Fats & Oils

This version of the Model F measuring according to BS 684 Section 1.14, ISO 15305 and AOCS Method Cc 13e-92. Racks are fitted with colourless glass compensating slides in the sample field.

### Two Adjacent Fields of View

It is arranged with two adjacent fields of view, seen through the viewing tube, so that the product in the sample field and a white reflective surface in the comparison field are observed side by side, suitably illuminated.

### Easy Colour Comparison

The Lovibond® glasses are introduced into the comparison field by a simple system of sliding racks, allowing you to compare the colour of light which is either transmitted through, or reflected from, the sample. The racks are varied until a visual colour match is found for the light from the sample and its colour can then be expressed in Lovibond® units.

### Excellent Colour Matching

A series of neutral glasses in racks is also supplied; these can be introduced into the sample field to 'dull' the colour of products which are too bright to obtain a good colour match using Lovibond® Red, Yellow or Blue glasses. The racks allow a visual colour match to

be found from the light from the sample and its colour can then be expressed in Lovibond® units.

### Assured Accuracy of Lovibond® RYBN Colour

Lovibond® Tintometer® is the only company that can guarantee accurate, validated Lovibond® RYBN Colour readings.

### Easy Maintenance for Optimum Performance

The Lovibond® Tintometer is a precision optical instrument which should be kept clean to preserve its accuracy, even in the harsh operating conditions often encountered. This is why the Model F has been designed to allow easy cleaning and maintenance with the minimum of cost and effort. The instrument includes a white plastic liner in the sample chamber which can be removed for cleaning if a spillage takes place. It can be replaced at intervals to maintain the whiteness of the interior, an essential feature for accurate colour matching.

Separate filters in the racks also simplify cleaning and allow replacement of single glasses (as opposed to complete racks) if required.

### Application Versatility

The Model F is an easy-to-use instrument with versatile application in colour measurement of products which transmit light as well as opaque solids, powders and pastes (an optional 'solid' sample accessory pack may be required for colour grading of light-reflecting products).

### Compliance to International Standards

It is available in slightly varying formats to meet the requirements of different applications and the national and international standardising bodies which specify the instrument in their

official methods for colour measurement.

## Industry

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

## Application

Edible Oils and Fats | Food and Beverage | Petroleum Oils and Waxes

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## Technical Data

<b>Applicable Standard</b>	AOCS Cc 13e-92 AOCS Cc 13j-97 BS684 IS 548 (part 1)-2010 ISO 15305 ISO 27608 MS 252 : Part 16 MS 817 : Part 12
<b>Color Type</b>	Transparent
<b>Path Length</b>	Up to 153 mm (6")
<b>Illuminants</b>	Approximates to daylight
<b>Portability</b>	Benchtop
<b>Compliance</b>	CE
<b>Dimensions</b>	330 x 230 x 410 mm

## Delivery Scope

- Model F Housing
- Complete set of 11 racks containing permanently coloured glass filters for the Lovibond® colour scale
  - (Red 0.1 - 0.9, 1.0 - 9.0, 10.0 - 70; Yellow 0.1 - 0.9, 1.0 - 9.0, 10.0 - 70; Blue 0.1 - 0.9, 1.0 - 9.0, 10.0 - 40; Neutral 0.1 - 0.9, 1.0 - 3.0)
- Sample chamber liner with a white PTFE powder reference
- Spare white reference
- A pair of spare bulbs
- 1x  $\frac{1}{16}$ ", 1x  $\frac{1}{8}$ ", 1x  $\frac{1}{4}$ ", 1x  $\frac{1}{2}$ ", 1x 1" & 1x  $5\frac{1}{4}$ " rectangular fused glass cells

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