

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

Model F (BS 684) with Compensating slides

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. 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.

Technical Data

Applicable Standard	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
Colour Type	Transparent
Path Length	Up to 153 mm (6")
Instrument Housing	Fabricates sheet steel with a tough, textured paint finish
Illuminants	Approximates to daylight
Portability	Benchtop
Compliance	CE
Dimensions	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
- 1 x 1/16", 1 x 1/8", 1 x 1/4", 1 x 1/2", 1 x 1" & 1 x 5/4" rectangular fused glass cells

Tintometer GmbH

Lovibond® Water Testing
Schleefstraße 8-12
44287 Dortmund
Tel.: +49 (0)231/94510-0
sales@lovibond.com
www.lovibond.com
Germany

The Tintometer Limited

Lovibond House
Sun Rise Way
Amesbury, SP4 7GR
Tel.: +44 (0)1980 664800
sales@lovibond.uk
www.lovibond.com
UK

Tintometer China

9F, SOHO II C.
No.9 Guanghualu,
Chaoyang District,
Beijing, 100020
Customer Care China Tel.: 4009021628
Tel.: +86 10 85251111 Ext. 330
Fax: +86 10 85251001
chinaoffice@tintometer.com
www.lovibond.com
China

Tintometer South East Asia

Unit B-3-12, BBT One Boulevard,
Lebuh Nilam 2, Bandar Bukit Tinggi,
Klang, 41200, Selangor D.E
Tel.: +60 (0)3 3325 2285/6
Fax: +60 (0)3 3325 2287
lovibond.asia@tintometer.com
www.lovibond.com
Malaysia

Tintometer Brazil

Caixa Postal: 271
CEP: 13201-970
Jundiaí – SP
Tel.: +55 (11) 3230-6410
sales@lovibond.us
www.lovibond.com.br
Brazil

Tintometer Inc.

6456 Parkland Drive
Sarasota, FL 34243
Tel: 941.756.6410
Fax: 941.727.9654
sales@lovibond.us
www.lovibond.us
USA

Tintometer India Pvt. Ltd.

Door No: 7-2-C-14, 2nd, 3rd & 4th Floor
Sanathnagar Industrial Estate,
Hyderabad, 500018
Telangana
Tel: +91 (0) 40 23883300
Toll Free: 1 800 599 3891/ 3892
indiaoffice@lovibond.in
www.lovibondwater.in
India

Tintometer Spain

Postbox: 24047
08080 Barcelona
Tel.: +34 661 606 770
sales@tintometer.es
www.lovibond.com
Spain