

Lovibond® Colour Measurement Tintometer® Group



EC 3000 ASTM Color

Progressing from Visual to Automatic Colour Measurement



- 3 Field Comparator View & Numeric Results
- Visual Representation Aligned to the Comparator 3000
- Validation Liquid and Glass Standard Included
- Immediate and Accurate, Straight from the Box

Part Number: 163010

Dual Ability to View Colour Measurement

On-screen colour
On-screen numerical display

Easy Transition from Visual to Electronic Measurements

Some colour graders who are used to the traditional comparator series sometimes find the upgrade to an electronic system daunting. The assurance of relying on physical colour difference is diminished. This transition has now been made easy.

Touch Screen Technology

Enables you to easily programme the instruments with instinctive menus on screen.

Programmable Settings

You can set language*, date and time, view preferences and create projects with individual tolerance settings.

On-Screen Warning System

You can react immediately to results that might be out of tolerance with immediate information on the sample.

Within tolerance = green
Outside tolerance = red
On border of tolerance = amber

User Friendly Ergonomics and Intuitive Interface

You are guaranteed to be up and running quickly and easily supported.

Easy storage and sharing of results

Large data storage (> 20,000 readings) and USB connectivity ensure your results can be stored and easily shared.

Single Scale Measurement

The EC 3000 ASTM provides you an individual scale to measure ASTM Color (ASTM D1500, ASTM D 6045, ISO 2049, IP196).

* Supported languages: English, French, German, Spanish, Italian, Chinese, Japanese, Russian.

Industry

Oil and Gas

Application

Petroleum Oils and Waxes

EC 3000 ASTM Color

The EComparator series advances colour measurement, enabling you to progress from Visual (subjective) to Electronic (objective) results. With the EComparator series, you can now view the colour difference with on-screen colour and on-screen numerical display.

Technical Data

Applicable Standard	ASTM D1500 ASTM D6045 ISO 2049
Colour Type	Transparent
Display	Size: 3.5 inch; Resolution: 320 x 240; Colour: 24 Bit (True Colour)
Interfaces	USB
Internal Storage	> 20,000 readings
Power Supply	USB 2.0 (mini USB plug) 4 batteries (AA)
Keypad	3 key tactile membrane
Instrument Housing	Flame Retardant ABS
Portability	Portable
Touchscreen	false
Languages User Interface	German, English, French, Spanish, Italian, Russian, Chinese, Japanese
Dimensions	106 x 57 x 210 mm

Delivery Scope

Portable case including:

- EC 3000 instrument
- 2 x W100 OG 33mm glass cells
- 2 x W100 33mm plastic cells
- 2 x glass reference standards
- 2 x liquid reference standards
- Power supply (UK, EU, US plug)
- USB cable
- Screwdriver
- Pot of 4 x AA batteries

Tintometer GmbH

Lovibond® Water Testing
Schleefstraße 8-12
44287 Dortmund
Tel.: +49 (0)231/94510-0
Fax: +49 (0)231/94510-30
sales@lovibond.com
www.lovibond.com
Germany

Tintometer China

Room 1001, China Life Tower
16 Chaoyangmenwai Avenue,
Beijing, 100020
Tel.: +86 10 85251111 App. 330
Fax: +86 10 85251001
chinaoffice@tintometer.com
www.lovibond.com
China

Tintometer Inc.

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

The Tintometer Limited

Lovibond House
Sun Rise Way
Amesbury, SP4 7GR
Tel.: +44 (0)1980 664800
Fax: +44 (0)1980 625412
sales@lovibond.uk
www.lovibond.com
UK

Tintometer South East Asia

Unit B-3-12, BBT One Boulevard,
Lebuhr 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 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@tintometer.com
www.lovibondwater.in
India

Tintometer AG

Hauptstraße 2
5212 Hausen AG
Tel.: +41 (0)56/4422829
Fax: +41 (0)56/4424121
info@tintometer.ch
www.tintometer.ch
Switzerland

Tintometer Brazil

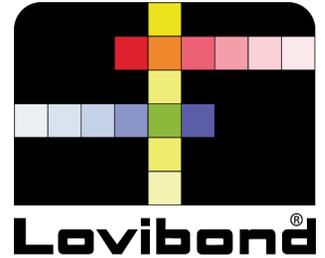
Caixa Postal: 271
CEP: 13201-970
Jundiaí – SP
Tel.: +55 (11) 3230-6410
sales@tintometer.com.br
www.lovibond.com.br
Brazil

Tintometer Spain

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

Lovibond® Colour Measurement

Tintometer® Group



Comparator 3000

Visual Colour Grading

3-Field determination with Comparator 3000



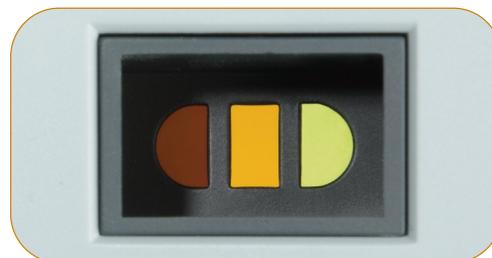
Lovibond® Comparator 3000

3-field Colour Grading

Visual Grading of Gardner, FAC or US Naval Stores Rosin Colour Scales

Single scale, 3-field instruments for visual colour grading by direct comparison between the sample and Lovibond® glass colour standards housed in a pair of discs. The advantage of a 3-section field of view is that the sample and two consecutive glasses on the colour scale are viewed simultaneously, making it easier to achieve the optimum colour match. For rapid colour grading within predetermined colour limits, the glass standards can be set to the two limiting colours so that it is easy to check that the sample is within tolerance. Versions of the Comparator 3000 are available for the Gardner, FAC and US Naval Stores Rosin Colour scales, each supplied with the appropriate range of coloured glass filters. In the instruments, the tungsten halogen light source is colour corrected to CIE standard illuminant C, which guarantees constant lighting conditions for colour grading. In the EBC version, the C filter is replaced by the B filter as required by the standards. Samples are measured in clear glass tubes or Rosin cells as appropriate.

Version	Colour Scale	Range	Path length
AF228	Gardner Colour	1 - 18	10 mm
AF229	FAC Colour	1 - 45 (odd numbers)	10 mm
AF670	Rosin, US Naval Stores	XC - D	7/8"
AF607	EBC, European Brewing Convention	2-27 units	25mm



Lovibond® Gardner Comparator 3000

A single scale, 3-field instrument for visual colour grading by direct comparison between the sample and Lovibond® glass colour standards housed in a pair of discs. The advantage of a 3-section field of view is that the sample and two consecutive glasses on the colour scale are viewed simultaneously, making it easier to achieve the optimum colour match.

A single scale, 3-field instrument for visual colour grading by direct comparison between the sample and Lovibond® glass colour standards housed in a pair of discs. The advantage of a 3-section field of view is that the sample and two consecutive glasses on the colour scale are viewed simultaneously, making it easier to achieve the optimum colour match. For rapid colour grading within predetermined colour limits, the glass standards can be set to the two limiting colours so that it is easy to check that the sample is within tolerance. The tungsten halogen light source is colour corrected to CIE standard illuminant C*, which guarantees constant lighting conditions for colour grading. The samples are measured in 10.65 mm diameter clear glass tubes.



* In the EBC version, the C filter is replaced by the B filter as required by the standards.

The Tintometer Ltd
T: +44 (0)1980 664800
F: +44 (0)1980 625412

Tintometer Inc
T: +1 941 758 8671
F: +1 941 727 9654

Tintometer - China
T: +86 10 8525 1111 Ext 330
F: +86 10 8525 1001

Tintometer - South East Asia
T: +603 3325 2286
F: +603 3325 2287

Tintometer India Pvt. Lt.
T: +91 (0) 40 4647 9911
Toll Free: 1800 102 3891

Lovibond® & Tintometer® are Registered Trade Marks of The Tintometer Limited. All translations and transliterations of Lovibond® & Tintometer® are asserted as Trade Marks of The Tintometer Limited. Registered in England Number 45024. Registered Office: Lovibond House • UK.

Errors and Omissions Excepted - Content Subject to alterations without notice. Rev 6.

www.lovibondcolour.com