

Lovibond[®] Colour Measurement Tintometer[®] Group



Petroleum Oils Comparator (AF650)

ASTM Oils Scale, 3-Field Visual Measurement



- Compact, Visual Measurement System for Single Scale Measurements
- Self-Contained, Includes Everything Needed to Measure the Scale
- Easy-To-Use, Fast & Accurate
- 3-Field Viewing for Optimum Accuracy

Part Number: 345030

Accurate Determination of the ASTM Oils Scale

The AF 650 incorporates 16 glass standards which make up the scale in a pair of discs

Fast Determination of Colour Value

You can directly compare the sample with the colour values for quick results.

Easy to Achieve Optimum Colour Accuracy

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 and quicker for you to achieve the ideal colour match.

Facilitates Tolerance Level Setting

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.

Guaranteed Constant Lighting Conditions

In the instruments, the tungsten halogen light source is colour corrected to CIE standard illuminant C*, which guarantees constant lighting conditions for colour grading.

Compliance to Standards

Each Comparator 3000 is supplied with the correct cells for the appropriate path length determined by the standard.

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

Industry

Oil and Gas

Application

Petroleum Oils and Waxes

Petroleum Oils Comparator (AF650)

A 3-field instrument for visually determining the colour of petroleum oils & waxes samples according to the ASTM Color scale by direct comparison with coloured glass filters.

Technical Data

Applicable Standard ASTM D1500
ASTM D6045
ISO 2049

Colour Type Transparent

Portability Benchtop

Delivery Scope

- **Comparator 3000**
- **1 Pair glass discs**
 - 0.5, 1.5, 2.5, 3.5, 4.5, 5.5, 6.5, 7.5
 - 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0
- **3 x Cylindrical glass sample jars**

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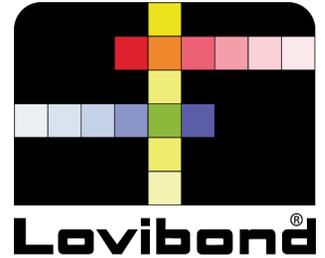
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Lovibond® Colour Measurement

Tintometer® Group



Comparator 3000

Visual Colour Grading

3-Field determination with Comparator 3000



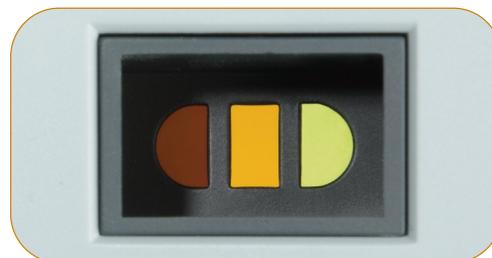
Lovibond® Comparator 3000

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.

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