

Lovibond® Colour Measurement Tintometer® Group



Gardner Comparator (AF228)

Gardner 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: 345010

Accurate Determination of the Gardner Scale

The AF 228 incorporates 18 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.

Industry

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

Application

Chemicals | Edible Oils and Fats | Petroleum Oils and Waxes

Gardner Comparator (AF228)

A 3-field instrument for visually determining the colour of petroleum oils & waxes, chemicals and edible oils & fats samples according to the Gardner scale by direct comparison with coloured glass filters.

Technical Data

Applicable Standard	ASTM D1544 ASTM D6166
Colour Type	Transparent
Portability	Benchtop

Delivery Scope

- Comparator 3000
- 2 x Glass Discs
 - 4/30-1 (left hand) 1, 3, 5, 7, 9, 11, 13, 15, 17
 - 4/30-2 (right hand) 2, 4, 6, 8, 10, 12, 14, 16, 18
- 2 x Test Tubes 10.65mm diameter

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Lovibond® Colour Measurement

Tintometer® Group



Comparator 3000

Visual Colour Grading

3-Field determination with Comparator 3000



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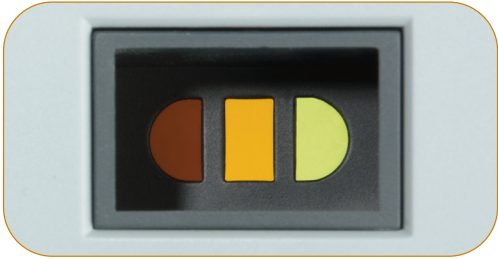
Lovibond® Comparator 3000

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



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

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