Lovibond® Colour Measurement

Tintometer® Group

Model Fx

Laboratory spectrophotometer optimized for analysis of edible oils

- Improve site-to-site comparability of results with controlled sample temperature
- Avoid sample solidification with the integrated heater
- Ensure measurement accuracy with easy to clean, removalble sample chamber
- Save benchtop space in your QC laboratory with smaller instrument footprint

Part Number: 169200

Guaranteed Temperature Consistency

The Lovibond® Model Fx solves the temperature problems associated with consistently measuring the color of edible oils and addresses the need for quickly delivering accurate results. If samples are not properly prepared prior to measurement, turbidity caused by the crystallization of the samples will lead to inconsistent readings. The integrated sample cell heater ensures consistent and uniform temperature throughout the sample resulting in accurate measurements.

Optimized for Production Environment

Reliable and repeatable test results are key to ensuring final product quality and minimize production costs. Speed of analysis is vital for efficient process control. Simplicity of operation helps reduce errors and increase productivity. The instruments aluminum housing is chemical resistant and intended to withstand the hazards of the production environment.

Save Costs, Misinterpretation and Potential Disputes

Suppliers and buyers need a common language to communicate and determine product quality. The Lovibond® Model Fx automatically reports key measurements to ensure that data is collected in a consistent manner and is reproducible by different users or across multiple sites. Should disagreement occur between supplier and customer, this additional information can help resolve any dispute, saving time and costs.

Ensures Compliance to Standards

The Lovibond® Model Fx measures color according to the Lovibond® RYBN, Lovibond® RY10:1, AOCS Tintometer® RY, Chlorophyll & Beta-Carotene scales which are commonly used in the Edible Oil Industry. The accuracy, repeatability and reproducibility of data provided by the instrument allows for tighter color specifications and greater color consistency, giving companies the confidence needed to make important decisions regarding high value commodities and refining operations.

Industry

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

Application

Edible Oils and Fats

Model Fx

The Lovibond® Model Fx solves the temperature problems associated with consistently measuring the color of edible oils and addresses the need for quickly delivering accurate results. Misreading from crystallization can be eliminated with its ability to keep the oil at a constant temperature and report the temperature of the sample.

Technical Data

Applicable Standard	AOCS Cc 8d-55 AOCS Cc 13b-45 AOCS Cc 13d-55 AOCS Cc 13e-92 AOCS Cc 13j-97 BS684 BS684 Section 2.20 Chinese GB/T 22460-2008 IS 548 (part 1)-2010 ISO 15305 ISO 27608 MS 252 : Part 16 MS 817 : Part 12
Color Type	Transparent
Wavelength Range	380 - 780 nm
Wavelength Accuracy	0.2 nm
Spectral Scope	< 15 nm
Photometric Range	0 - 100 % T
Photometric Linearity	± 0.01 % T
Stray Light	< 0.01 % T
Detector	Spectrometer
Interfaces	USB RS 232
Portability	Benchtop
Touchscreen	No
Input Voltage	110 VAC, 250 VAC, 60 W (24 V)
Compliance	CE
Languages User Interface	English, German, French, Spanish, Italian, Portuguese, Russian, Japanese, Chinese
Dimensions	301 x 152 x 331 mm

Delivery Scope

- Model Fx instrument
- External power supply
- Set of 3 power leads (US, UK, EU)
- Quick start guide
- Manual (USB stick)
- Certificate of Conformity
- Conformance filter
- W600/B/1” cell (Borosilicate, 1" path length)
- W600/B/5¼” cell (Borosilicate, 5¼” path length)

Title	Part Number
W600/B/10 Borosilicate Glass	655960
W600/B/25 Borosilicate Glass	655990
W600/B/33 Borosilicate Glass	656010
W600/B/40 Borosilicate Glass	656020
W600/B/100 Borosilicate Glass	656030
W600/B/1/16" Borosilicate Glass	656044
W600/B/1/8" Borosilicate Glass	656054
W600/B/1/4" Borosilicate Glass	656064
W600/B/1/2" Borosilicate Glass	656074
W600/B/1" Borosilicate Glass	656080
W600/B/2" Borosilicate Glass	656090
W600/B/3" Borosilicate Glass	656104
W600/B/4" Borosilicate Glass	656114
W600/B/5" Borosilicate Glass	656124
W600/B/5 1/4" Borosilicate Glass	656130
W600/B/50 Borosilicate Glass	656200

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 Tel.: +86 (021) 69910081
Tel.: +86 10 85251111 Ext. 330
Fax: +86 10 85251001
chinaoffice@tintometer.com
www.lovibond.com
China

Lovibond Tintometer Sdn Bhd
Unit B-3-12, BBT One Boulevard,
Lebuh Batu Nilam 2, Bdr Bkt Tinggi,
41200, Klang, Selangor,
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