

# 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, removable 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 instrument's 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

<b>Color Type</b>	Transparent
<b>Wavelength Range</b>	380 - 780 nm
<b>Wavelength Accuracy</b>	0.2 nm
<b>Spectral Scope</b>	< 15 nm
<b>Photometric Range</b>	0 - 100 % T
<b>Photometric Linearity</b>	± 0.01 % T
<b>Stray Light</b>	< 0.01 % T
<b>Detector</b>	Spectrometer
<b>Interfaces</b>	USB RS 232
<b>Portability</b>	Benchtop
<b>Touchscreen</b>	No
<b>Input Voltage</b>	110 VAC, 250 VAC, 60 W (24 V)
<b>Compliance</b>	CE
<b>Languages User Interface</b>	English, German, French, Spanish, Italian, Portuguese, Russian, Japanese, Chinese
<b>Dimensions</b>	301 x 152 x 331 mm
<b>Weight</b>	5.16 kg

## 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)

## Accessories

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



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