

Lovibond® Colour Measurement

Tintometer® Group



PFXi-880/F

- ✓ Single Scale Spectrophotometer for Lovibond® RYBN (Red, Yellow, Blue, Neutral)
- ✓ Ideal for the Colour Measurement of Oils & Fats
- ✓ Direct Lovibond® colour readings with 5¼" cells
- ✓ Full support for RCMSi (Remote Calibration and Maintenance via internet)
- ✓ Optional heated sample chamber for maintaining samples at high temperatures
- ✓ USB & LAN interface
- ✓ Robust steel construction with excellent chemical resistance
- ✓ Easy maintenance with removable sample chamber

Lovibond® PFXi-880/F

The Lovibond® PFXi-880/F is the ideal solution for anyone wanting to measure colour only according to the Lovibond® RYBN Colour Scale. The latest model in the extremely successful PFXi range focusses only on this specific scale.

In the 1890's, Joseph Lovibond, the founder of The Tintometer Ltd, developed the original Lovibond® Scale, based on a calibrated series of red, yellow, blue and neutral glasses.

After more than a century, The Tintometer Ltd still manufactures and grades the glass filters used for visual colour measurement in terms of Lovibond® units. It is this unparalleled knowledge and experience that are embodied into the Lovibond® PFXi-880/F.

The scale quoted by others as the Lovibond® scale does not guarantee validated Lovibond® Colour readings and may not conform with any visual instrument for Lovibond® Colour.

In contrast, The Tintometer Ltd can provide validation reports of correlation between Lovibond® values obtained on its automatic instruments and Lovibond® visual instruments.

Furthermore, the Lovibond® instruments uniquely include long sample chambers that house cells of up to a 6" path length, enabling the instrument to obtain direct Lovibond® colour readings, without multiplying errors, with 5 ¼" cells.

Automatic Testing vs Visual

The fundamental difference between the PFXi and the Lovibond® Tintometer® Model F is that the Model F is based on subjective, visual comparison methods (relying to a high degree on the judgment and skill of the operator and hence their perspective, feelings, beliefs and desires). The PFXi, however, relies on automatic, non-subjective measurements, completely **unaffected by the judgment of the operator**.

With operators inexperienced in colour measurement, visual comparison can be more time consuming and less precise than the fast automatic readings taken with a PFXi. Visual agreement between operators at one site or multiple sites cannot be guaranteed.

Using spectrophotometers, colour communication is accurate and reliable and consistent. Colour Scales allow exact standards to be communicated to all. No more reliance on rough estimates that result in painful (and often expensive) miscommunications.

Agreed tolerances make pass/fail decisions easy. Precise standards and acceptable variations can be agreed internally, with suppliers and customers. Standards can be accepted that ensure costly rejects are minimized and ensure that customers adhere to the agreed standard/tolerance. Numbers, not opinions, count.

Using spectrophotometers, standards and samples can be stored, with zero change for ever: complete records can be kept, data reviewed and trends monitored, hence costly and wasteful mistakes will not be repeated and the integrity of production can be insured.

Spectrophotometers are ideal for:

- External Quality Control
- Internal Quality Control
- Continual Monitoring, in real time, of production processes
- Faster matching of customers' colours
- Clear Communication
- Objective Research and Development

Colour Testing Made Simple

The PFXi-880/F provides easy-to-use, press-button technology which requires no special skills to operate. The built-in menu guides users through the selection of operating parameters - such as language selection. Thereafter, readings are made with a single key press, taking less than 30 seconds to complete.

RCMSi - Save Time, Effort and Money

The PFXi-880/F includes RCMSi technology. This unique feature allows a calibrated measurement to be taken using an ISO 17025 certified liquid standard. The spectral response is transmitted to the Lovibond® secure calibration server. On completion of this procedure, a traceable calibration certificate is made electronically available to the user. The RCMSi system not only gives the user added confidence that the instrument is working within tight ISO standards but also reduces the need for expensive, on-site servicing and preventative maintenance of the unit.



What's In The Box

PFXi-880/F Model
Lovibond® RYBN Filter
Quick Start Guide
CD ROM Containing Manuals
Certificate of Conformity
RCMSi Starter Pack
Accessory Box (1" and 5 1/4" Cell, Spare Bulb)
USB Cable
LAN Cable
External Power Supply
Set of 3 Power Leads (UK, European and United States)

Order Number	Product
1378807	Lovibond® PFXi-880/F + RCMSi Pack
1378807H	Lovibond® PFXi-880/F Heated + RCMSi Pack

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