

Lovibond® Colour Measurement

Tintometer® Group



RT 650

- ✓ Compact & Versatile (vertical or horizontal position)
- ✓ Robust Design for Industrial Applications
- ✓ Adjustable Sample Arm for Measurement of Larger Samples
- ✓ Measures wide range of materials, shapes, sizes, textures and opacity levels
- ✓ Proven enhanced inter-instrument accuracy
- ✓ Available with OnColor™ Lite and OnColor Premium™ Quality Control Software

Lovibond® RT 650

The Lovibond® RT 650 is a reliable and accurate benchtop spectrophotometer for both companies looking to introduce a colour control program or those looking to enhance a current program reliant on non-spectral devices or visual inspection.

Features

- **Embedded NetProfiler:** enables users to monitor the performance of their population of instruments, optimizing measurement agreement
- **Data Compatibility:** Correlation with Lovibond® handheld sphere photometers
- **Verticle and Horizontal Positioning:** Flexibility to measure wide range of materials
- **Sample Targeting / Viewing:** sample arm allows for larger objects
- **LED Membrane:** Provides status and operation feedback with remote trigger
- **Embedded Transform Enabled**
- **Simultaneous SCI/SCE measurement in 2 seconds**

Order Number	Product
407000	Lovibond® RT 650 Benchtop Spectrophotometer
400590	OnColor™ Lite Software
400610	OnColor™ Premium Software



Technical Specification

Measuring Geometrics	d/8°, DRS spectral engine, simultaneous SPIN / SPEX
Optical Aperture	8mm measurement area 14mm target window
Light Source	Gas-filled tungsten lamp
Receiver	Blue-enhanced silicon photodiodes
Spectral Range	400-700nm
Spectral Interval	10nm - measured 10nm - output
Measurement Range	0 to 200% reflectance
Inter-Instrument Agreement	CIE L*a*b*: Avg. 0.20 ΔE ab based on avg of 12 BCRA Series II tiles (specular component included) Max. 0.40 ΔE ab on any tile (specular component included)
Short-Term Repeatability	0.05 ΔE ab on white ceramic
Measuring Time	Approx 2 seconds
Transform Support	Embedded
Lamp Life	Approx. 500,000 measurements
Power Supply	AC Adapter Requirements 90 - 130VAC or 100 - 240VAC 50 - 60Mz, 15W max
Data Interface	USB
Operating Temperature Range	50° to 104°F (10° to 40°C) 85% relative humidity maximum (non-condensing)
Storage Temperature Range	-4° to 122°F (-20° to 50°C)
Weight	11.5 lbs. (5.2 kg)
Dimensions	8.7"H (22.0cm) x 7.5"W (19.0cm) x 10.4"L (26.4cm)
Accessories	Calibration Standards: Black trap, White & Green Standards, User Manual AC adapter, Sample presentation fixtures
Optional Software	On-Color™ Software

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