

# Lovibond® Colour Measurement

Tintometer® Group



## RT 250

- High performance accuracy : Low inherent costs
- Versatility for extensive selection of samples
- Measures wide range of materials, shapes, sizes, textures and opacity levels
- Proven enhanced inter-instrument accuracy
- Integrated sensor for accuracy of reading
- Robust design for handheld and benchtop applications
- Form, fit and function compatibility for seamless upgrade

[www.lovibondcolour.com](http://www.lovibondcolour.com)

# Lovibond® RT 250

The Lovibond® RT 250 is a versatile instrument for the consistent measurement of a wide variety of samples in a range of materials, sizes, shapes, textures and opacity levels. The simultaneous measurement of colour and appearance ensures enhanced accuracy of results.

## Features

- **Measurement Integrity Enhanced:** the dampened, flip back targeting interface and remote measurement trigger enables easy measurement of difficult-to-handle samples
- **Accommodates Wide Range of Samples and Sizes:** Measurement capability of 14mm or larger on materials such as paper, plastic, fabric and a variety of hard surfaces
- **Quick, Accurate Reads:** Measurement time of 2 seconds on standard flat samples as well as complex shapes
- **Versatile:** Provides for both handheld or benchtop applications; remote read switch adds convenience
- **Easy to Operate:** Close-and-play operation, supported by visual (LED) and audible status indicators
- **Reliable Performance:** Simultaneous measurement of both specular-included (colour) and specular-excluded (appearance) to determine influence of specular component
- **Consistent Measurements:** Superior agreement capabilities ensure integrity of multiple-instrument colour control

The Lovibond® RT 250 Spectrophotometer is not a stand-alone unit as it does not incorporate a display screen. The RT Elite Package contains everything needed to start using the instrument immediately, combining the RT 250 with the popular OnColor™ Lite Software. If enhanced functionality is required, the software may always be upgraded to the OnColor™ Premium Software edition.

Order Number	Product
402305	Lovibond® RT 250 Spectrophotometer
400590	OnColor™ Lite Software
400610	OnColor™ Premium Software
402505	Lovibond® RT 250 Elite Package
400620	Benchtop Stand
400630	Liquid Cell Holder
400640	Powder Cell Holder
400660	V-Block Sample Holder
400680	Pellet Holder
605534	W550.OG.10mm Cell pack 10
400740	Circular Cell



## Technical Specification

Measuring Geometrics	d/8°, DRS spectral engine
Optical Aperture	8mm measurement area 14mm target window
Light Source	Gas-filled tungsten lamp
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)
Measurement Range	0 to 200% reflectance
Measuring Time	Approx 2 seconds
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
Lamp Life	Approx. 5000,000 measurements
Receiver	Blue-enhanced silicon photodiodes
Spectral Range	400-700nm
Spectral Interval	10nm - measured 10nm - output
Storage Temperature Range	-4° to 122°F (-20° to 50°C)
Weight	1.9 lbs. (0.87 kg)
Dimensions	4.3" H (10.9cm) x 3.6" W (9.1cm) x 8.4" L (21.3cm)
Accessories	Calibration Standards Black trap removable white standard User Manual AC adapter USB cable with strain relief
Optional Accessories	Benchtop Stand Sample presentation fixtures On-Color Software

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