

Color i[™] 5

Spectrophotometer

Introducing Color i 5... an innovative new spectrophotometer design that delivers unprecedented operating ease and flexibility. This sphere-based laboratory spectrophotometer sets a new standard in the mid-range instrument class with an array of advanced features to accurately measure the widest variety of sample shapes, sizes, textures and opacity. Plus the Color i 5 is the only instrument with a built-in profile that lets you select between measurement compatibility with legacy data or today's higher precision data.

Measure more without spending more.

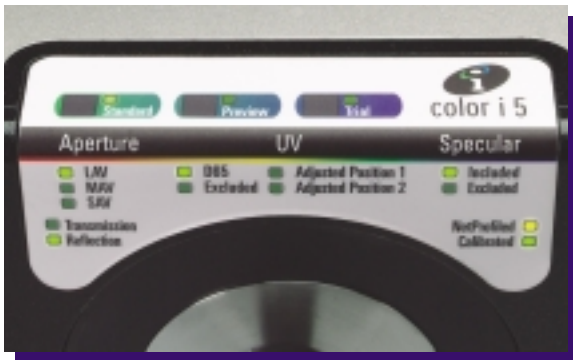
Designed with industry-leading features, the Color i 5 is ideal for busy labs requiring high speed and throughput. Its features include:

- Tri-Beam technology that simultaneously measures specular component included and excluded for simplified gloss assessment.
- Multiple areas of view in both reflectance and transmittance for the most versatility in measuring non-uniform and variable size samples.
- Self-adjusting, dual zoom lens that eliminates configuration errors between aperture plates and lens position.
- Video preview and sample drop door for precision targeting and measurement accuracy.
- Automated ultraviolet adjustment for speed and convenience when measuring fluorescent or optically brightened samples.
- Versatile horizontal and vertical measurement orientation in a single instrument.
- USB and RS-232 interfaces that eliminate connectivity issues.
- Built-in user selectable profiles for 7000A and 3100.
- Clear status panel display with dual remote read buttons for standard and sample measurements and warning indicators for calibration interval.



color i 5
...redefining

price/performance in
mid-range spectrophotometers



The Color i 5's clear status panel display with dual read buttons allows you to initiate a measurement sequence remotely from the instrument without having to return to your PC.

Now, gain accurate color and maintain compatibility with older instruments.

Add the Color i 5 to your existing instruments without losing any historical data or data integrity¹. Optimized for the mid-level market, the Color i 5 bridges the data gap between disparate databases and unprofiled spectrophotometers. It offers backward measurement compatibility to laboratory grade legacy instruments while agreeing with high precision, reference grade instruments.

Certify instrument performance at a fraction of the cost with no downtime.

Not only certify your Color i 5, but also your entire network of spectrophotometers, with NetProfiler™, GretagMacbeth's breakthrough software solution that remotely monitors, calibrates, adjusts and certifies spectrophotometers – all via the Internet. It costs far less than a service call and takes just minutes to do... right from your facility with virtually no downtime.

Driving Enterprise Color Management (ECM)

The Color i 5 is part of the measurement component of an Enterprise Color Management (ECM) program – an industry first and GretagMacbeth exclusive program that delivers accurate color management between color specifiers and their supply chains.

Designed to accelerate speed to market, an ECM program relies on accurate and compatible measurement data throughout the supply chain. The Color i 5's built-in profiles bridge the gap between legacy data and today's higher precision instruments. When combined with NetProfiler, the Color i 5 ensures compatibility among disparate instruments.

¹ Requires NetProfiler

Specifications

Repeatability (White)	0.03 RMS. ΔE CIELAB
Inter-Instrument Agreement	
Max./Tile	0.20 Avg. ΔE CIELAB, 13 Tiles
	0.40 Max. ΔE CIELAB, Any Tile
Illumination	Pulsed Xenon, D65 calibrated
Spectral Range	360 to 750 nm
Wavelength Interval	10 nm
Photometric Range	0.0% to 200% reflectance
Photometric Resolution	0.01% reflectance
Measurement Time	<2.5 second maximum reflection or transmission
Apertures	
Reflectance Aperture:	
Large area of view (LAV)	25 mm circular
Medium area of view (MAV)	10 mm circular
Small area of view (SAV)	06 mm circular
Transmittance Aperture:	
Large area of view (LAV)	22 mm circular
Medium area of view (MAV)	10 mm circular
Small area of view (SAV)	06 mm circular
Direct Transmittance:	
Large area of view (LAV)	22 mm circular
Optical Configuration	Tri-Beam Diffuse / 8°, 6 inch Sphere 2-D CCD array / Holographic grating, simultaneous SCE/SCI, automated UV control, automated lens position
Dimensions	23 cm W x 25 cm H x 47 cm D
Weight	12 kgs
Temperature	10° C to 35° C
Relative Humidity	20 to 80%, non-condensing
Electrical Requirements	100-240 VAC / 50-60 Hz
Interface	USB / RS-232 / 2400-38400
NetProfiler	Enabled

Average ΔE of BCRA ceramic standards relative to GretagMacbeth standardized values under lab conditions. Specifications subject to change without notice.



Color i 5 is the only instrument that bridges the gap between legacy data and today's higher precision instruments.



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