Color i™ 7

Benchtop Spectrophotometer

A full-featured reference instrument for reliable digital workflow and error-free measurement of textile, plastic, coated, liquid, and brightened samples. An embedded NetProfiler system combines with self-diagnostic, and auto-configure functions ensuring consistent, precise performance.

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Color i7 Advantages

- **Premium Reference Grade.** The Color i7 enables a reliable, global digital workflow. Now, you can match color accurately anywhere your color is produced, quickly and more cost effectively than ever before. The ultimate reference tool, with smart technology that prevents color measurement when the instrument is uncalibrated or out of performance range

- **NetProfiler® Embedded.** An on-board system that monitors instrument performance and can optimize and certify, remotely via the internet, without the need for additional service, enabling the exchange of spectral color data with confidence while cutting operating costs. The Color i7 will also automatically track the age of a profile and notify the user when profiling is needed

- **Simultaneously Measure SCI/SCE and Calibrated UV Control.** Tri-beam technology allows simultaneous measurements of SCI (specular component included) and SCE (specular component excluded), enabling correlated gloss measurement and gloss assessment for gloss corrected color formulation. This simplifies measuring pure color or simulating how the human eye responds to surface effects. Automated UV control provides speed and convenience for automatic UV D65 calibration and adjustment and UV included / excluded measurements. This provides for accurate measurement of optically brightened or fluorescent samples

- **Complete Auto-Configuration Simplifies Setup and Eliminates Measurement Errors.** It's practically impossible to take bad color measurements because the system automatically configures itself. Plus, each measurement includes a "digital signature" verifying the instrument's status. So anyone using your data will know it's reliable – including suppliers, customers or other operators and facilities

- **Reflectance and Transmittance.** Four area of view aperture sizes, available for both reflection and total transmittance and a direct transmittance aperture, provide versatility in dealing with various sample sizes. Sample measurement orientation provides the option of either horizontal or vertical sample positioning. These add convenience and give you the most flexibility to match more samples sizes, shapes, and any opacity level

- **Remote Standard, Trial, and Preview Buttons.** Remote read buttons allow the user to trigger a measurement and identify the data as either a standard or trial measurement directly from the Color i7. The video and preview door capabilities allow the user to verify sample targeting which speeds measurements while eliminates errors. When combined with X-Rite software, an image of the measured sample area can also be retained for documentation

- **LED Status Panel Uniquely Warns You When You Are At Risk.** Allows users and supervisors to verify the Color i7's status and configuration at a glance

X-Rite: Your source for accurate color. On time. Every time.

X-Rite is a world leader in providing global color control solutions for manufacturing and quality management requirements.

We lead the industry in offering service options to ensure uninterrupted performance of all X-Rite products. Training and educational resources are available globally and online for both new and experienced users to optimize their color measurement capabilities.

Visit xrite.com for more information about X-Rite products. X-Rite customers worldwide may also call the Applications Support team at CASupport@xrite.com or Customer Service at 800-248-9748.

Specifications

Repeatability (white tile)* 0.01 RMS ΔECIELab	**Direct Transmittance** 22mm
Inter-Instrument Agreement* 0.08 Avg. ΔECIELab	**Optical Configuration** Tri-beam diffuse 8°, 6″ sphere, 2D CCD array/holographic grating
Illumination Pulsed Xenon, D65 calibrated	**Dimensions** Height 25 cm (10 inches) Width 23 cm (9 inches) Depth 47 cm (18 inches) Weight 12 kg
Spectral Range 360 nm to 750 nm	
Wavelength Interval 10 nm	**Temperature** (operating) 10°C to 35°C
Photometric Range 0.0% to 200% reflectance	**Relative Humidity** (operating) 20 to 80%, non-condensing
Photometric Resolution 0.001%	**Electrical Requirements** 100 to 240 VAC / 50 to 60Hz
Measurement Time (seconds) 2.5	**Interface** USB/RS-232
Reflectance Apertures 25mm 17mm 10mm 6mm	**NetProfiler** Embedded
Total Transmittance Apertures 22mm 17mm 10mm 6mm	**Special Features** Simultaneous SCI/SCE. Automated UV and lens control, digital signature, embedded NetProfiler, horizontal or vertical measurement orientation

* Average ΔE of BCRA ceramic standards relative to X-Rite standardized values under lab conditions, LAV, 22 degrees C. Specifications subject to change without notice.

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