



## Ci7630/Ci7830

### Benchtop Sphere Spectrophotometer



#### Superior Reflectance Measurement Performance

Accurate color representation is crucial across various industries, from textiles to coatings and plastics. The Ci7630 and Ci7830 sphere benchtop spectrophotometers offer unparalleled reflectance measurement flexibility on translucent samples. With advanced technology and seamless software integration capabilities, these models help maintain consistent color fidelity throughout production workflows.

Featuring switchable reflectance apertures, the Ci7630 and Ci7830 can capture color and appearance simultaneously under both specular-included (SPIN/SCI) and specular-excluded (SPEX/SCE) conditions. This versatility, combined with cutting-edge color measurement technology and extensive digital database compatibility, makes these benchtops ideal for both color formulation and quality control. X-Rite's wide range of accessories and aperture options provide additional measurement flexibility for a variety of translucent sample types and sizes. With both models, you pay for everything you need and nothing you don't.

#### Ensure Consistent Measurements, Every Time

Eliminate procedural variations, miscommunications, and errors with convenient features that make color measurements simple.

- Easy-to-read LED status panel provides real-time instrument status.
- Video and door preview allows the operator to view the exact targeted spot, and when paired with Color iQC, to capture an image of the measurement.
- Multiple aperture plates offer flexibility to measure a wide range of sample sizes.
- Built-in storage drawer ensures all calibration media and aperture plates are stored with the device to maintain organization.
- Sample positioning arm and fixturing capabilities minimize sample presentation variability.
- Embedded status lights verify the device is in an optimized state via NetProfiler.

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## A Comprehensive Color Control Solution

Both the Ci7630 and Ci7830 integrate with X-Rite's digital color solutions to enhance the workflow from initial color assessment to quality control. With backwards compatibility, it is easy to calibrate and align with legacy devices to ensure seamless integration and preserve the integrity of historical data.

### Specification

Measure physical samples for private and brand colors and add the spectral definition to the PantoneLIVE cloud alongside the extensive library of Pantone color standards for use in formulation and quality control software.

### Formulation

Import color data from Ci7630/Ci7830 measurements into Color iMatch to quickly formulate optimal color matches using multi-flux technology and minimize unnecessary attempts for an efficient workflow with less waste.

### Device Performance Optimization

Reduce errors from measurement drift, identify service needs, and ensure consistent color production across the supply chain by pairing the Ci7630/Ci7830 with NetProfiler.



### Digital Material Visualization

Simplify the transition from physical to digital by using X-Rite's PANTORA to convert the precise color data captured by the Ci7630 or Ci7830 into accurate digital materials for 3D renderings.

### Communication

Securely communicate spectral data for brand colors along with the required tolerances and illuminants and digitally approve lab dips through the open, cloud-based Textile Color Hub ecosystem.

### Quality Control

Utilize Color iQC software with the Ci7630/Ci7830 to standardize device setup, ensure accuracy with uniform data viewing and monitor environmental conditions in real time; plus record and store measurements and create measurement audit trails.

## Protect Your Investment

Our Service Care Plans ensure your device is expertly maintained to continually operate at peak performance. Since Service Care Plans include the cost of repair, you can better plan for the future with predictable maintenance budgets and avoid costly surprise breakdowns. With a variety of options to choose from, we make it easy to get the most from your investment and maintain your certifications.

X-Rite's field service certification program is an effective and easy way to ensure your benchtop spectrophotometer continues to perform to original specifications in order to achieve the highest level of color accuracy.

## Field Service Five-Point Inspection Process



\*For products within ISO: 17025 scope only

## X-Rite Service Difference

Drawing on our extensive experience in the world of color, X-Rite Pantone offers the right level of services, onsite and online, to support and nurture your business. Call on us for standard color services and training, or work with us to tailor training and services to your specific needs. We help you get color right the first time, right every time. For more information about extended support options, visit [www.xrite.com/extended-warranties-services](http://www.xrite.com/extended-warranties-services).

For more information about the **Ci7630** or **Ci7830**, please visit

[www.xrite.com/ci7630](http://www.xrite.com/ci7630) | [www.xrite.com/ci7830](http://www.xrite.com/ci7830)

## Product Specifications

	Ci7630	Ci7830
<b>Inter-Instrument Agreement (Max Avg DE*)</b>	0.15	0.08
<b>White Repeatability (RMS DE*)</b>	0.03	0.01
<b>Photometric Resolution</b>	0.01%	0.01%
<b>Spectral Range</b>	360-750nm	360-750nm
<b>Standard Reflectance Apertures Plates</b>	6, 10, 25mm	6, 10, 25mm
<b>Optional Reflectance Aperture Plates</b>	3.5 and 17mm	3.5 and 17mm
<b>Standard Transmission Apertures</b>	6, 10, 25mm	6, 10, 25mm
<b>UV filters available (nm)</b>	400, 420, 460	400, 420, 460
<b>Wavelength intervals</b>	10nm* 20nm	10nm* 20nm
<b>Instrument Temperature / Humidity Sensors</b>	Not available	Not available
<b>Industry Standards</b>	USA and Canada: Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; UL 61010-1, Ed:3; CAN/CSAC22.2 No.61010-1 EU and International: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use: 2014/35/ EU (LVD) – IEC/EN 61010-1 Issued:2010/06/10 Ed:3; Electrical equipment for measurement, control and laboratory use - EMC requirements: 2014/30/EU (EMC) – IEC/EN61326-1:2012/13 Measuring Reflectance: CIE No. 15, ASTM E1164, DIN 5033 Teil 7, JIS Z 8722, ISO 7724/1	USA and Canada: Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; UL 61010-1, Ed:3; CAN/CSAC22.2 No.61010-1 EU and International: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use: 2014/35/ EU (LVD) – IEC/EN 61010-1 Issued:2010/06/10 Ed:3; Electrical equipment for measurement, control and laboratory use - EMC requirements: 2014/30/EU (EMC) – IEC/EN61326-1:2012/13 Measuring Reflectance: CIE No. 15, ASTM E1164, DIN 5033 Teil 7, JIS Z 8722, ISO 7724/1
<b>What's Included</b>	Instrument with white calibration standard, black trap, green standard, UV calibration standard, aperture plates, manual (CD), AC adapter, and USB cable.	Instrument with white calibration standard, black trap, green standard, UV calibration standard, aperture plates, manual (CD), AC adapter, and USB cable.