



## Sphere Benchtop Spectrophotometers

Ci7600



### Measurement Flexibility for a Variety of Samples

The Ci7600 offers the same inter-instrument agreement and repeatability as the Ci7500, but an optional transmission kit allows for total and direct transmission measurement, multiple areas of view, laser targeting for small sample measurements, and an infinite width for measurement of larger samples. As with other models in the Ci7000 series, the Ci7600 captures color and appearance simultaneously with specular-included (SPIN/SCI) and specular excluded (SPEX/SCE) conditions. Embedded NetProfiler status lights verify the device is optimized for measurement performance.

## Versatile Control for Opaque, Transparent, Translucent, and Fluorescent Samples

The Ci7600 offers up to five reflectance and three transmission apertures to measure color and appearance on a wide range of samples in port up, port down, and port forward positions. It can be fitted with various accessories to measure textured materials, odd shapes, liquids, powders, and gels, and uses up to 3 UV filters to control optical brighteners in textiles, plastics, paint, coatings, and paper.

## Ensure Operator Confidence and Quality Control

The Ci7600 is easy-to-operate and minimizes errors with automated, software-driven setup. The LED status panel provides real-time information and the on-board digital camera offers a preview and active targeting. When paired with X-Rite Color iQC quality assurance software, it can quickly identify whether a sample is within tolerance, and if not, provides direct feedback to get it back on target.

## Specifications

Calibration	White, Zero, UV
Communication Interface	USB 2.0
Dimensions (length, width, height)	56cm, 22cm, 31cm
Embedded NetProfiler Support	Yes
Humidity	5% to 85%, non-condensing
Illumination Spot Size	25mm, 17mm*, 10mm, 6mm, 3.5mm*
Inter-Instrument Agreement	0.15 $\Delta E^*_{ab}$ avg.
Internal Temperature & Humidity Sensor	Yes
Lamp Life	$\geq 1,000,000$ measurements

<b>Laser Transmission Targeting</b>	Yes
<b>Light Source</b>	Pulsed Xenon, D65 calibrated
<b>Measurement Cycle Time</b>	≈ 2.5 seconds
<b>Measurement Geometry</b>	d/8°
<b>Measurement Spot</b>	19mm, 10mm, 5mm, 2.5mm
<b>Measurement Time</b>	≈ 2.5 seconds
<b>NetProfiler Support</b>	Embedded
<b>Operating Temperature Range</b>	5°C to 40°C
<b>Package Dimensions (length, width, height)</b>	71cm, 38cm, 53cm
<b>Photometric Resolution</b>	0.01%
<b>Reflectance Aperture(s)</b>	3 std / 2 optional
<b>Sample Preview</b>	Door and Video
<b>Service Indicator</b>	Status panel
<b>Shipped Weight</b>	25kg
<b>Short Term Repeatability - White</b>	.03 ΔE*ab RMS on white ceramic
<b>Software Development Kit</b>	XDS4
<b>Spectral Analyzer</b>	2D CCD array holographic grating
<b>Spectral Interval</b>	10 nm (default); 20nm

<b>Spectral Range</b>	360nm-750nm
<b>Spectral Reporting</b>	10 nm (default); 20nm
<b>Status Panel</b>	Yes
<b>Storage Temperature Range</b>	-20° to 50°C
<b>Transform Support</b>	Embedded
<b>Transmission Aperture(s)</b>	3
<b>Voltage</b>	100 to 240 VAC / 50 to 60Hz
<b>Warm Up Time</b>	None
<b>Warranty</b>	12 months
<b>Weight</b>	20.5kg