



PANTONE®

Sphere Benchtop Spectrophotometers

Ci7500



Validate Measurement Conditions and Conformity

The introductory model of the Ci7000 series, the Ci7500 offers the latest color measurement technology and database compatibility. It can capture color and appearance simultaneously with specular-included (SPIN/SCI) and specular excluded (SPEX/SCE) conditions on opaque samples. Video preview ensures the correct sample measurement area and when paired with Color iQC, archives an image of the measurement for a complete audit trail. The Ci7000 Series is stable, reliable and easy to service to maximize productivity and uptime in any production environment.

Versatile Color Measurement for Opaque and Fluorescent Samples

The Ci7500 includes two reflectance aperture plates 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 a 400nm UV filter to calibrate UV content to control optical brighteners in textiles, plastics, paint, coatings, and paper.

Maximize Operator Confidence

With a user-friendly LED status panel, the Ci7500 is easy-to-operate and offers sophisticated processing capabilities to deliver accurate and repeatable color measurements. It includes multiple ports to connect with other devices and conforms with legacy data formats to preserve and protect existing data and ensure easy adoption throughout the supply chain.

Specifications

Calibration	White, Zero, UV
Communication Interface	USB 2.1
Dimensions (length, width, height)	56cm, 22cm, 31cm
Embedded NetProfiler Support	Yes
Humidity	5% to 85%, non-condensing
Illumination Spot Size	25mm, 10mm
Inter-Instrument Agreement	0.15 ΔE^*_{ab} avg.
Internal Temperature & Humidity Sensor	Yes
Lamp Life	$\geq 1,000,000$ measurements
Lamp Timer	Yes

Light Source	Pulsed Xenon, D65 calibrated
Measurement Cycle Time	≈ 2.5 seconds
Measurement Geometry	d/8°
Measurement Spot	10mm, 25mm
Measurement Time	≈ 2.5 seconds
NetProfiler Support	Embedded
Operating Temperature Range	5°C to 40°C
Package Dimensions (length, width, height)	71cm, 38cm, 53cm
Photometric Range	0% to 200%
Photometric Resolution	0.0001
Reflectance Aperture(s)	2 std / 0 optional
Sample Preview	Door and Video
Service Indicator	Status panel
Shipped Weight	25kg
Short Term Repeatability - White	.03 ΔE*ab RMS on white ceramic
Software Development Kit	XDS4
Spectral Analyzer	2D CCD array holographic grating
Spectral Interval	10 nm (default); 20nm

Spectral Range	360nm-750nm
Spectral Reporting	10 nm (default); 20nm
Status Panel	Yes
Storage Temperature Range	-20° to 50°C
Transform Support	Embedded
Transmission Aperture(s)	0
UV Cutoff Filters	400nm
Voltage	100 to 240 VAC / 50 to 60Hz
Warm Up Time	None
Warranty	12 months
Weight	20.5kg