



ColorEye XTH

Handheld Portable Spectrophotometer

The ColorEye XTH is a lightweight, yet powerful, compact portable spectrophotometer. With its switchable aperture sizes (10mm and 5mm), the ColorEye XTH provides accurate and flexible measurements of both large and small samples, as well as the most challenging shapes and sizes such as contoured and textured opaque parts.



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Advantages:

- **Simultaneous SCE/SCI measurements**
- **Unique 3-D targeting technology with removable target foot**
- **Portable, lightweight.** The unit weighs less than a kilogram, making it ideally suited for long-term use without discomfort.
- **Flexible.** Dual apertures (10mm and 5mm diameters) enable a single unit to accommodate the broadest range of part sizes and shapes
- **Patented XT5 technology two-dimensional CCD.** Provides a dual-beam system for simultaneous measurement of SCE (specular component excluded) and SCI (specular component included)
- **Easy-to-use.** Menu-driven operation significantly reduces startup training time
- **Lighting.** Xenon flash system permits greater accuracy and eliminates the need to take multiple readings when measuring dark colors

Specifications

Key Features

- High volume production measurement
- Hand-held

Repeatability RMS E CIELab (White)*	0.10
Interinstrument Agreement Avg. E CIELab*	0.25
Illumination	Pulsed Xenon
Spectral Range	360 nm – 750 nm
Wavelength Interval	10 nm
Photometric Range	0%-200%, 0%-120% (selectable)
Photometric Resolution	0.01%
Measurement Time (seconds)	1
Reflectance Apertures	10 mm, 5mm
Transmittance Apertures	Diffuse 80, 38 mm sphere
Direct Transmittance Apertures Large	
Optical Configuration	2D CCD array/holographic grating
Dimensions	
Height	19.5 cm
Width	8 cm
Depth	7 cm
Weight	0.81 kg
Temperature	10 - 35o C
Relative Humidity	20% - 80%
Electrical Requirements	117 VAC/50-60 Hz, 230 VAC/50-60Hz
Battery	Nickel Metal-Hydride Charge time <3 hrs. (idle)/<6hrs. (in use) Internal/external charging
Interface	RS-232
NetProfiler	Enabled
Special Features	Simultaneous SCE/SCI. Stores up to 400 records. Available in French, Italian, English, German, Spanish, Japanese. Includes all popular color spaces and illuminants as well as gloss. *Also available in an ultra compact benchtop. (requires separate color control software)

*Tested on BCRA tiles at 22o C.

Specifications subject to change without notice.

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