

# ColorEye® XTH

*The only hand-held, portable instrument that accurately measures color on the most challenging sizes, shapes and surfaces.*



# ColorEye® XTH

*The only instrument you'll need for reading both large and small samples ... as well as all types of curved surfaces.*

**Easy to use** intuitive user interface. Menu-driven operation significantly reduces startup training time.

**Compact, hand-held unit** is about half the size and weight of competitive units — a truly hand-held device allowing easy left and right-handed operation.

**Simplified Keypad** with dedicated measurement keys.

**High-efficiency sphere** with port-sharing technology reduces sample size, eliminates appearance interference, and minimizes sample variability.

**A unique 3-D Targeting Technology** with removable target foot provides precision color measurement on the most challenging sizes, shapes, and surfaces.

ColorEye XTH

**Patented XT5 technology** 2-dimensional CCD provides a dual-beam system for simultaneous measurement of SCE (specular component excluded) and SCI (specular component included).

**A sophisticated high-speed processor** permits the ColorEye XTH to make one color measurement per second — twice as fast as other units — increasing throughput and saving time.

**Advanced power system** delivers thousands of measurements per charge, with gauge showing battery status at a glance.

**Xenon flash system** permits greater accuracy eliminates the need to take multiple readings when measuring dark colors.

**Optional dual apertures** (10mm diameter standard and 4mm diameter optional) enable a single unit to accommodate the broadest range of part sizes and shapes, eliminating the expense of multiple instruments.



## The ColorEye XTH. The next generation of color control technology. Here today.

We put our 85 years experience in color measurement to work in designing and building a portable spectrophotometer that delivers what our customers asked for.

- **Superior price/performance value** – no other portable instrument gives you all these innovative features at a comparable price.
- **A complete system for color control** – ColorEye XTH is part of the industry's most complete line of color control systems. This full product line enables us to provide solutions for color measurement in your operation.
- **Improved product quality** – better color control means superior color quality. Production lots are no longer rejected because of color problems. And customers are happier with the product you deliver.
- **Less scrap with fewer reworks** – directly adds more profit to your bottom line.



*Contour measurement capability increases customer approvals on final product.*



*Optional dual apertures 4mm and 10mm in diameter enable convenient measurements of both large and small products.*

- **Lower operating costs** – simple operation significantly reduces training time and operator errors. A rugged design with no moving parts maximizes reliability and prevents costly down-time.
- **Greater throughput** – a unique power system, which allows continued operation even when charging, increases system availability and operator productivity. In addition, the ColorEye XTH is easily mounted on robotic equipment for automated operation.

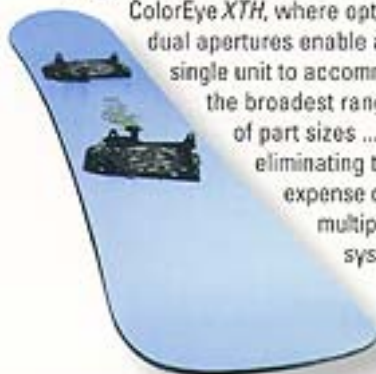
### *Light-years ahead of conventional color control technologies.*

When you need a productivity boost, ColorEye XTH is up to twice as fast as competitive systems. An advanced 2-dimensional, 5-channel optical system enables greater accuracy with fewer flashes, more signals per

flash. And the Xenon flash eliminates the need to take multiple readings to measure dark colors.

The ColorEye XTH enables you to measure color on the actual product, not just a flat sample or swatch. That's because the instrument incorporates a unique 3-D Targeting Technology providing precision color measurement on even the most challenging sizes, shapes and contours.

Conventional single-aperture instruments can only measure parts within a narrow size range. You used to have to buy another instrument to handle bigger or smaller parts. But not with ColorEye XTH, where optional dual apertures enable a single unit to accommodate the broadest range of part sizes ... eliminating the expense of multiple systems.



## ***There are many reasons you get costly rejects. Now color won't be one of them.***

Customers have always been demanding when it comes to color. They're quick to reject a lot that fails to match their color specs. Rejects take money right out of your bottom line ... and may jeopardize customer relations.

Fortunately, now there's a solution. ColorEye XTH from GretagMacbeth.

### ***ColorEye Technology transforms the art of color control into a science.***

The ColorEye XTH is the world's only hand-held color measurement device capable of accurately, consistently measuring color on the most challenging sizes, shapes, and surfaces — curved or flat, large or small, smooth or textured.



***Dedicated buttons for standard and trial measurements speed and simplify operation.***



***Removable targeting foot enables easy measurement of curved and flat samples.***



***Lightweight ColorEye XTH weighs only 1.8 pounds and fits easily in the operator's left or right hand, eliminating strain.***

About half the size and weight of other portables, the ColorEye XTH fits easily in your hand and clips conveniently to your belt. So you can carry it with you anywhere in your facility.

A unique operator-friendly design makes the ColorEye XTH as easy to use as turning on a flashlight. Just point the ColorEye XTH at the sample. Then push the button. You get an instant, precise measure of hue, chroma, and value.

And, ColorEye XTH's advanced power system gives you extended battery life. It operates up to eight times longer per charge than other portables — up to 13,000 hours in standby mode. You can continue to use your ColorEye XTH even while it's charging, further maximizing productivity.

### ***Instinct vs. Instrumentation.***

To one observer, two greens may look exactly the same; to another, they seem slightly different. Now, with the ColorEye XTH, you get a quantitative color reading that indisputably verifies and proves the accuracy of your own color judgment.

ColorEye XTH generates accurate, repeatable measurements consistent with the readings you get from our popular benchtop ColorEye 7000 series and compact ColorEye 2180. We engineer all our color systems for close inter-instrument agreement — ensuring that you, your customers, and your vendors are working with the same colors and standards.



## ***GretagMacbeth: advancing the art of color control technology for nearly a century...***

Because color is perception, color has been subjective.

Now GretagMacbeth has transformed the art of color into a science — giving manufacturers the consistency, accuracy, repeatability, and control their customers ... and the public ... demand.

Almost a century ago, we embarked on a journey to shape the future of quantitative color measurement. And today, we continue to pioneer innovations in color measurement and control.

Only GretagMacbeth provides a comprehensive, integrated, single-source solution for measuring, selecting, matching, formulating, evaluating, and communicating color in all phases of product development, manufacturing, and finishing.

From hand-held and benchtop spectrophotometers ... to color standards, software, lamps, and lighting systems ... to training, consulting, and support, we can help you satisfy customer color requirements — with an ease and consistency like never before.

For a free, no-obligation needs analysis of your color control requirements, or more information on our complete line of color control solutions, call or write us today.

***It's a colorful world. Take control.***



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