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Find the *HunterLab SpectraProbe XE* at our website: *Click HERE*

Presenting...

SpectraProbe® XE

The Solution for On-Line Color Measurement



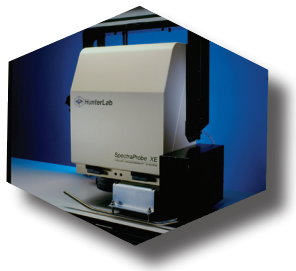
HunterLab

Measure Color...Measure Quality

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SpectraProbe® XE

A cost-effective process tool for color control

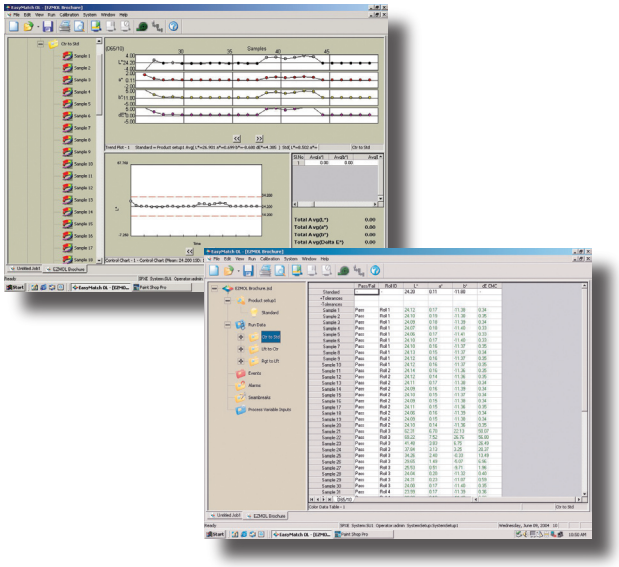


On-line color measurement gives you a continuous flow of information, which lets you make faster, better informed decisions to both optimize your process and improve quality control. With real-time color measurement, costly process problems are minimized, because on-the-spot corrective action can be taken without waiting for laboratory results.

HunterLab, the worldwide leader in on-line color measurement, offers SpectraProbe XE for on-line color control of your process. SpectraProbe XE is a versatile, rugged, and even more cost-effective spectrophotometer for continuously measuring, analyzing and reporting product color.

The key component of this state-of-the-art color measurement system is a highly accurate spectrophotometer that provides the performance and accuracy you need to ensure your product meets your customer's color specifications. By use of a high-speed, long-life xenon light source and automatic standardization, this spectrophotometer takes rapid measurements and averages them to provide repeatable color data over both uniform and textured products. When compared to traditional filter colorimeters, the superior performance of SpectraProbe XE makes it unquestionably the on-line color instrument of choice.

Precise Color Profiles



Obtain precise, up-to-date color profiles.

SpectraProbe XE automatically and continuously compiles a running record and color profile of each production run. So not only can you make adjustments in real time, you'll also have an up-to-date information archive that can be used to diagnose objectively how other key process variables affect the color of your product.



Measure color virtually as the human eye sees it.

SpectraProbe XE utilizes 0° illumination and 45° circumferential viewing geometry. This, combined with a large (65 mm diameter) or optionally small (25 mm diameter) viewing area, provides the closest agreement possible between instrumental measurement and color appearance. Due to its highly advanced optical design, the SpectraProbe XE spectrophotometer can measure the appearance of color independent of sample surface texture, directionality and gloss.

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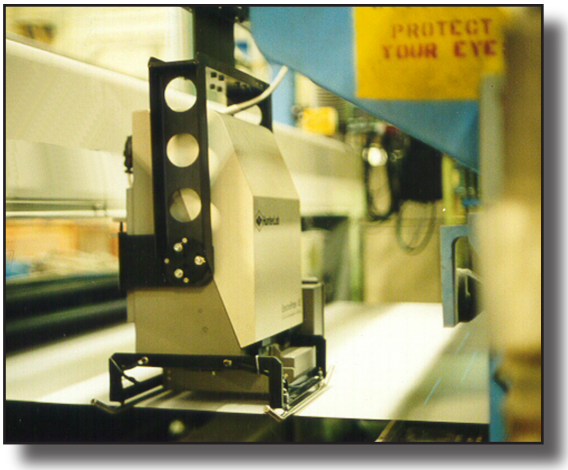
Measurement Versatility

Measure color both across the product's width and along its length.

The color of a product can vary in shade between width and length, which causes significant product quality concerns. SpectraProbe XE increases your color monitoring capability dramatically. HunterLab's leading-edge technology gives this remarkable color measurement system the ability to simultaneously traverse the product and measure color both across its width and along its length. It then reports any shade variation against a standard, giving you more product color information than has ever before been available. In addition to the commonly used side-center-side configuration, many other traversing patterns are also available.

Correlate results to off-line measurements.

You can tie SpectraProbe XE's continuous on-line performance directly to established lab results for conformance to product specifications. And for monitoring production trends, it's both compatible with and complementary to HunterLab and other laboratory spectrocolorimeter products used for more critical periodic checks.



Engineered for rugged, dependable performance.

SpectraProbe XE system hardware is designed and built to withstand real-world conditions including harsh plant environments. Engineered to stand up to heat, dust or chemicals, both the sensor and its wall-mounted support unit are sealed in a rugged durable NEMA 4/IP 65 enclosure. In the event of upset or product change-over conditions, seam or sheet break detector signals can also move the sensor head automatically off-line so that the instrument doesn't interfere with the moving product. And, just like all HunterLab systems, SpectraProbe XE's performance is backed by a comprehensive support program with a range of service options, including preventive maintenance, applications training and on-site service.



The SpectraProbe XE Color Measurement System on siding

A wide range of process applications

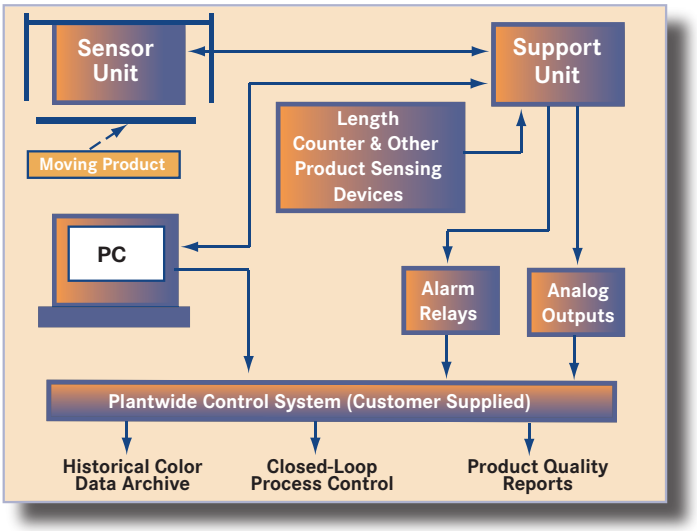
- **Textiles:** continuously dyed products including fabric, yarn and rope
- **Paper:** fine printing and writing, food board, and specialty coated paper
- **Plastics:** pellets and extruded products such as vinyl siding and trim
- **Coatings:** continuous coil coating

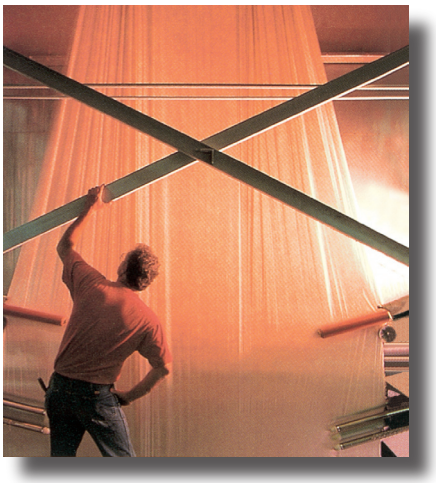
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System Features

- Comprehensive EasyMatch® OL software manages and presents information with point-and-click simplicity.
- Optional UV control feature measures the amount of fluorescence in textiles, paper, and plastic products to track how fluorescent brightening agents affect product color.
- Integrates easily plant control systems via analog outputs that function as the color signal output for closed-loop control or plant data acquisition systems.
- 0°/45° geometry with circumferential viewing
- Long life xenon lamp filtered to simulate D65 illumination
- Wavelength range of 400-700nm
- Measurement diameter of 6.5cm (optional 3.0cm)

The SpectraProbe® XE Color Measurement System is available with fixed or traversing mounting frame with automatic drive controls, automatic standardization with colored tile standards, analog outputs and operating and control software.





Dedicated to worldwide support through local representation, HunterLab provides over 50 years of experience to meet the color measurement needs of customers around the world. We offer the industry's most comprehensive set of end-to-end solutions – an integrated package of resources, from the complete array of instrumentation, software, and support services to training, education and decades of application knowledge.

SpectraProbe and EasyMatch are trademarks of Hunter Associates Laboratory Inc.
Specifications subject to change without notice

HunterLab
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