



ES-1000 Spectrophotometer

Flexible Solution for Consistent, Reliable Color

Achieving predictable color is a major challenge for any business. The EFI ES-1000, a measurement device, solves this dilemma by providing fast, precise and flexible color management that produces the highest color quality, saving businesses precious time and money.

Versatile Color Management

Color management is an essential component in handling today's complex digital imaging workflows. The ES-1000 delivers:

Precise and fast color calibration.

The flexible solution is simple to install. It connects to EFI servers with just a USB cord then quickly calibrates your output devices to produce reliable color all the time.

Accurate spot color measurement.

The spectrophotometer produces precise spot colors by capturing them from a physical swatch and including them in the server's spot color library, so you can easily print the color you need fast.

Exact white point measurement.

It helps to accurately simulate color output by incorporating the exact paper white point in the color profiles, allowing users to produce perfect color proofs.

Works with other EFI technologies.

The ES-1000 integrates with other EFI technologies, allowing businesses to receive a high return on investment.

Speed and Precision

The easy-to-use ES-1000 puts cutting-edge technology in your hands. It offers faster measurements, greater patch recognition, and of course, no waiting! The accelerated ES-1000 spectrophotometer is not only optimized to read twice as quickly, but is also outfitted with new Teflon® pads, creating a smoother gliding action. Reading patches now is fluid and effortless. Moving quickly between rows enhances users' productivity and consistency.





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EFI's portfolio of integrated solutions increases productivity and improves your bottom line. Find out more at www.efi.com.

Specifications

Supported Measurements Modes:

- Reflectance single measurement
- Reflectance strip measurement with automatic patch detection
- Emission: radiance measurement (monitor measurement)

Spectral Analyzer:

Holographic diffraction grating with 128 pixel diode array.

Optical Resolution:

10 nm.

Physical Sampling Interval:

3.5 nm.

Spectral Data Range:

380 ... 730 nm in 10 nm steps.

Measurement Aperture:

4.5 mm diameter.

Interface:

USB 1.1.

Measurement Geometry:

45°/0° ring illumination optics, DIN 5033.

Light Source:

Gas filled tungsten (Type A).

Physical Dimensions:

Length 151mm; width 66mm; height 67mm (6 x 2.6 x 2.6 inches), and weight: 185g (6.5 oz).

Physical Filters:

No or UV cut (Filters not exchangeable).

Accessories:

Calibration plate; USB cable; CRT monitor holder; flat panel holder; positioning target; scanning ruler, and light measurement head.

Inter-Instrument Agreement:

Average DE*94 0.4, max. DE*94 1.0 (Deviation from manufacturing standard at 23°C for single measurement mode on 12 BCRA tiles (D50, 2°).

Short-Term Repeatability:

DE*94 \leq 0.1 (D50, 2°), with respect to the mean CIE Lab value of 10 measurements every three seconds on white.

Data Format:

Spectral radiance (mW/nm/m² /sr); Luminance Y (cd/m²).

Measurement Range:

0.2 ... 300 cd/m².

Short-Term Repeatability:

x,y: +/- 0.002 typical (CRT 5000°K, 80 cd/m²).

Type:

Cosine-corrected diffuse light measurement head.

Diameter:

6.0 mm.

Data Format:

Spectral irradiance (mw/nm/m²) and Illuminance Y (lux).

Power Supply:

Device powered by USB. No additional charger or battery required. USB 1.1 high power device.

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