

Align All LCD, CRT, DLP and Plasma Video Displays to Match Industry Specifications and to Deliver Peak Performance with the CP5000 All-Display ColorPro Color Analysis System



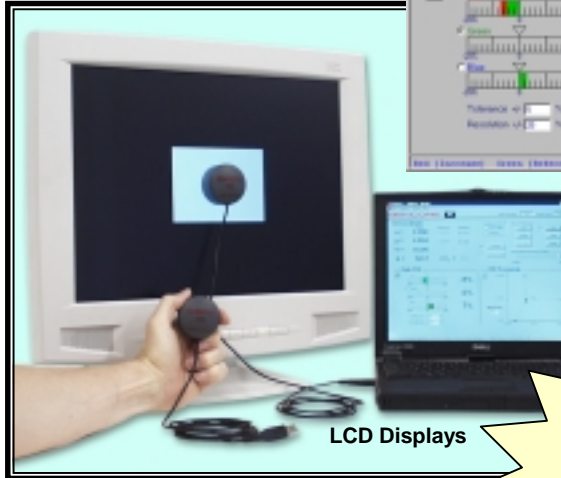
Plasma Displays



CRT Displays



DLP Displays



LCD Displays



The CP5000 is available in USB or Serial Version.

The CP5000 Color Analysis System Features:

- Align color tracking on any video display to give you the confidence that the display is aligned to perform its best and to industry specifications.
- Continuously updated readings let you calibrate video displays with flexibility not found with the 'single-shot' reading capabilities of a spectroradiometer.
- The easy-to-use graphical interface greatly decreases calibration time with easy to follow measurement screens. The CIE and RGB screens make calibration simple by illustrating exactly which colors need adjusting.
- Portable operation makes it easy to align displays wherever displays are found.
- The measurement specifications are similar to those found on lab-grade instruments and are NIST traceable. Patented light-pipe system provides a narrow light acceptance angle for accurate measurement of LCD displays.
- Custom software lets you store calibration information and print it out in an easy to interpret report.
- Software DLL package lets you integrate the CP5000 All-Display ColorPro into your specific color analyzer application.
- Attractive, durable carrying case protects your CP5000 between calibration jobs.
- Available in either USB or standard serial version.

Call Today! 1-800-736-2673 or 1-605-339-0100

CP5000 'ColorPro' Specifications

General

Measurements: xyY, Luminance (Foot Lamberts or cd/m²), ΔRGB, Color Temperature, ΔE_{xy}

Measurement Update Rate/Averaging: Adjustable

White References: D65, D50, E, D55, D75, C, 3000K to 12000K in 500 K steps, Custom, Custom Capture. An unlimited number of custom references can be stored to disk.

Host System: Pentium-class PC running Windows 95 or higher.

Operating Temperature: 10 to 25°C

Operating Relative Humidity: 10 — 80% (non-condensing)

Operating Altitude: Sea level to 10,000 ft

Accuracy Specifications: @ 20°C, D50, relative to NIST certified reference

ColorPro III

Accuracy: xy: ± 0.004
Y: ± 2%
(@ 65 cd/m² minimum)

Repeatability: xy: ± 0.002
Y: ± 1%
(same-sensor/no-dismount)

Luminance Range: 0.05 — 150 cd/m²

ColorPro IV

Accuracy: xy: ± 0.002
Y: ± 2%
(@ 65 cd/m² minimum)

Repeatability: xy: ± 0.002
Y: ± 1%
(same-sensor/no-dismount)

Luminance Range: 3 — 350 cd/m²

Sensor Field of 10°

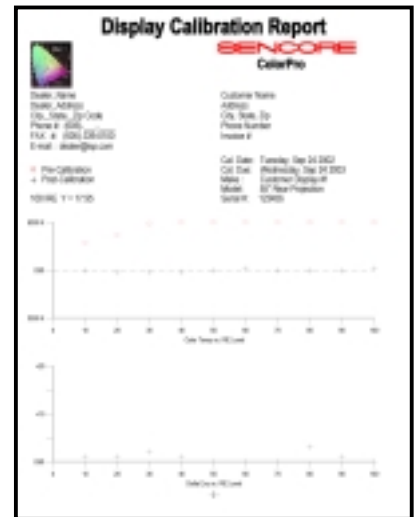
Display Calibration Report:

The CP5000 ColorPro All-Display Color Analyzer creates a report printout of the pre-and post-calibration xy and color temperature readings. Your company information logo can be inserted in the printout. The report documents the display performance and provides a record for calibration.



The CP5000 Aligns An Array Of Displays and Display Types:

- LCD
- Plasma
- CRT
- DLP
- And more
- Front Projectors
- Rear Projectors
- Direct View



CP5000 ColorPro Supplied Accessories:



Color Pod Holder
Holds the Color Analyzer in position for adjusting front and rear projection systems.



Extension Cable
Use with the Color Analyzer when calibrating front projection systems.



Carrying Case
Protective carrying case for safe transporting of the Color Analyzer.

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