



QuickCal

Automated Hand-Scanning Densitometer for Calibration of Color Output Devices



QuickCal provides calibration and quality control for PostScript® color copiers, color printers, and color proofing systems.

The calibration of any color output device will drift over time, causing fluctuations in color and tone values. Colors may vary due to changes in room temperature, humidity, or changes in paper, toner, or other materials. The QuickCal automatic scanning densitometer ensures consistent, accurate color on every job.

Calibration Software Interface

The QuickCal interfaces directly with most calibration software through a direct cable link to a host computer. This enables a quick transfer of color measurements directly to your calibration software.

Simple, Step-By-Step Operation

- Output a calibration test print from a color printer or copier.
- Move instrument over test print.
- QuickCal sends density readings to the color control software via serial interface.
- Within minutes, the printer is calibrated and ready to deliver accurate, consistent prints.

Features

- Is supported by a majority of 3rd party software, RIP and printer manufacturers. Visit X-Rite web site "Color Enabled" for information: www.x-rite.com/support/partners.asp
- Status T color response (the industry standard for wideband reflection densitometers).
- Interfaces with PC, Macintosh® and SGI platforms.
- Fast, time-saving process – completes calibration in under five minutes.
- Measures paper, density and dot area
- Small desktop footprint.
- Accessories included:
 - calibration reference
 - getting started guide
 - interface cable
 - power supply (optional line cords)

Benefits

- Color consistency throughout a job and over time.
- Sharp, accurate color.
- Predictable, repeatable results.
- Quality control of on-demand color including proofing, large format and color prints.
- Fast, easy-to-use system.
- No trial and error.
- Fewer service calls, lower overall costs.



Specifications

Measuring Geometry

Reflection: 0°/45° per ANSI/NAPM IT2.17 and ANSI/ISO 5-4 multi-sensor array

Measuring Area

2mm x 4mm, 2mm in the direction of travel. Instrument must sit on sample for accurate measurement.

Light Source

Lamp life, approx. 300,000 scans @ 11" (279.4mm)
Gas Pressure @ 2850°K

Receiver

Blue enhanced silicon photodiodes

Sample Characteristics

Patch size:
.400" (10.16mm) min. in direction of travel by .350" 9mm min. wide.
1mm wide 1.0D contrast space between patches or .5D min difference between patches.

Measurement Rate

>6" (>154mm)/sec maximum controlled by operator.

System Response

ANSI/ISO Status T

Output

Density, +Dot, -Dot, or Reflectance. Output has x10 capability.

Measurement Range

0.00D to 2.50D absolute

Linearity

±0.02D or ±2%, 0 to 2.5D

Repeatability

±0.01D, 0 to 2.5D

Inter Instrument Agreement

±0.02 or ±2%, 0 to 2.5D

Zero Stability

±0.01D max

I/O Connection

DB9 socket
USB (future)

Data Interface

Interface: RS-232 with baud rates from 1200 to 19.2k
Protocol: X-Rite RCI commands

Power Requirements

+12v @ 700ma

Environmental

Operating range:
+10°C (50°F) to +35°C (104°F);
30% to 60% RH.
RH ratings are non-condensing

Physical Dimensions

Height: 4.83 cm (1.90 in)
Width: 6.10 cm (2.40 in)
Length: 11.55 cm (4.55 in)

Weight

165g. (5.8 oz.)

Provided Accessories

Calibration Reference
Getting Started Guide
Manual and Utilities CD
Interface cable: DB9S RS-232 or USB
AC Adapter

Optional Accessories

Mac Serial Adapter
Region Specific Line Cords
Europlug Line Cord

For the most recent list of supporting third-party software, see X-RiteColor Enabled Partner literature (item LI1-031A and LI1-031B) or web page under our Support & Training Page at www.x-rite.com.

This product covered by U.S. and foreign Patents and Patents Pending.

Specifications and design subject to change without notice.



xrite.com

ISO 9001
Certified

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