![x-rite logo]

X-RiteColor® Ensembles and Ensembles+

Prepress Color Management

Ensure Color Accuracy from Monitor to Final Output
It's your job to ensure the quality of your color proofs, and you're looking for an automated system to cut time and waste from your prepress workflow. X-Rite has the solutions. Our X-RiteColor Ensembles and Ensembles+ provide affordable, flexible ways to help you measure, verify and correct your test images.

Hardware Options to Meet Various Needs
X-RiteColor ensembles give you a choice of two high-end, auto-scanning spectrophotometers: the DTP41 Series II and the DTP45, a multifunctional evolution of the DTP41. Both instruments use spectral data to measure color with unsurpassed accuracy. Both measure test strips in about 20 seconds and automatically send data to your color software.

However, the DTP45 offers much more, such as the added ability to make spot measurements. Common spot-checking applications include large-format media and color patterns that are not in strip format. Its added versatility makes the DTP45 ideal for those needing an automated, all-in-one prepress color measurement solution.

Powerful, Practical Software Options
X-Rite's easy-to-use ensembles give you hassle-free ways to manage color and streamline your process. MonacoPROFILER software (Gold or Platinum version) – ICC profiling solution, offers an improved profile building engine and other enhancements

Hardware options:

- DTP41 Series II spectrophotometer (Ensembles)
- DTP45 spectrophotometer (Ensembles+)
- OPTIX^{XR} monitor calibrator (optional)

Software options:

- MonacoPROFILER (Gold or Platinum) with OPTIX^{XR} PRO software

	DTP41 strip-reading spectrophotometer	DTP45 strip-and spot-reading spectrophotometer
• Detachable head for spot measurement		x
• L*a*b* display		x
• Density and colorimetry capabilities	x	x
• On-board, storable calibration reference	x	x
• Ability to handle a range of media, from lightweight paper to polyester plates	x	x
• Convenient USB connection, small footprint and rugged design	x	x
• One-button operation	x	x
• Optional UV cutoff filter	x	x
• Includes ColorShop X	x	x
• Includes MonacoOPTIX XR	x	x

Note: Wide version and transmission options are also available for the DTP41.

OPTIX XR
monitor calibrator

- Precision calibration for LCD and CRT displays
- Multiple tunnels for greater accuracy
- CIE filters that match human response
- Chromaticity error of less than .003
- FCC, CE and USBIF certifications

Software:

MonacoPROFILER
(with OPTIX XR PRO software)

The newest release allows you to:
- Create superior ICC profiles (including ICC version 4.1) for scanners, monitors and RGB and CMYK printers
- Profile multi-ink (5- to 8-color) output devices (Platinum Edition only)
- Control ink limiting and black generation
- Control output profiles using lightness, saturation and output curves
- Print and measure IT8.7/3, IT8.7/4 and ECI2002 targets
- Import CGATS-formatted measurement data files
- Take advantage of cross-platform patch generation capabilities
- Use the integrated monitor profiling software to manage the OPTIX XR PRO monitor calibrator

Specifications

Measurement Geometry
45°/0° per ANSI/ISO 5-4 (IT2.17) (Reflection)

Spot Size at Sample
1.8mm (.070 in) in scan direction, 2.5mm (.097 in) wide

Light Source
Gas pressure @ 2850 °K

Spectral Sensor
DRS Technology, 24-point engine,
31-point reporting

Spectral Range
400nm to 700nm

Illuminant Types
A, C, D50, D55, D65, D75,
F2, F7, F11, & F12

Standard Observers
2° & 10°

Response Type
Status T, E, I, A, M, & others

Measurement Time
Approx. 0.25 seconds per patch
(7mm patches)

Connection
USB

User Interface
Follows the DTP41 button and
LED functionality

Display
2 line X 16 character LCD, L*a*b*
and illuminant, While cradled application definable string

Measurement Modes
Strip and spot

Strip Mode
Compatible with DTP41 strips

Spot Mode
Handheld unit removable with flip down targeting

Reflection Measurement
Inter-instrument Agreement
0.3 DE cmc avg typical (avg, based on 12 BCRA tiles)

Measurement Range
0.00D to 2.50 D; 0 to 160% R

Repeatability on White
0.2 DE max; ±0.01D max

Linearity
+/- .01D or 1%

Calibration
On-board reflection

Environmental
+10 (50 F) to +40 ∞C (104 F) operating, 30% to 85% RH non-condensing

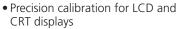**Warm-up Time**
None

Power Required
12v DC, Universal 100-240V
AC Adapter; 50/60Hz

Dimensions
Height: 104mm (4.10 in)
Width: 302mm (11.89 in)
Depth: 1184mm (4.66 in)
Weight: 1189g (2.62 lb)

ISO 17025
Certified

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