

# Advanced Color Ensembles

**BRAKENSIEK®**  
SYSTEMHAUS



#### Advanced Color ensembles

- Of quick X-Y Scan with only one keystroke, needs only few interventions by the user
- Normal Targets for the calibration are measured in 30 seconds, Targets for the shaping, e.g., IT8 Targets at less than 3 minutes - you save time and money
- Production of high-quality profiles ICC for scanner, CRT-and LCD monitor and printer RGB/CMYK
- User-eligible UV filter and interchangeable black or white background for highly exact shaping, the accurate Proofing and continual colorimetric and densitometric measurements

High-speed solution for Farb-Proofing and pressure preliminary stages workflows

The new X-Rite Advanced Color ensembles allow exact, quick and accurate colour management and the production of profiles for RGB-, CMYK-and multi channel expenses in up to eight colours. For ICC shaping and ICC calibration developed system the possibility for the high-quality comparison offers Proofing-specialists between Proof and printed product. On Demand printers and pressure preliminary stage pros profit from maximum flexibility and tax possibilities by the dissolution optimisation. The tool bases on the many-sided Scan-X-Y-Spektralfotometer DTP70 and the pro software MonacoPROFILER for the shaping. It reads current ICC Farbtargets at less than three minutes and misses smaller Targets for the calibration of Colour Proofing systems in just once 30 seconds.

#### Advanced Color ensembles

At her unusual speed and exactness the Advanced Color ensembles allow reduction in costs and high-quality comparison between Proof and printed product. This comprehensive solution connects the absolutely new high speed scan device DTP70 with the highly competitive MonacoPROFILER software and the prize-winning MonacoOPTIXR2 technology. Thus you reach of too quick, accurate ICCProfilierung and calibration about the whole digital workflow away.

#### An easy, highly competitive software

With tools for the colour management user-friendly functions save you time and money. Now the revolutionary MonacoPROFILER (gold or Platinum) serves even more shaping functions which show the way by the shaping to you fast and simply. His achievement signs rich in function provide for accurate ICC profiles for all components of your digital workflow.

#### Quicker results thanks to innovative spectral photometer

The many-sided Scan-X-Y-Spektralfotometer DTP70 reads current ICC Farbtargets at less than three minutes and misses smaller Targets for the calibration of colour Proofing systems in just once 30 seconds. A huge number of special functions like activation at the touch of a button, automatic calibration and a selfadjustment which excludes reading mistake practically provide for maximum system efficiency.

#### Even more versatility for complicated workflows

Advanced Color ensembles generate profiles for all work routines and devices - Proofing-systems, scanners, digital cameras, to monitor, CTP-and Belichterausgabe, Softly Proofs on the screen and virtually all issue devices. Overriding results offer the enlarged black fathering control of the MonacoPROFILER and the highly competitive profile editor.

#### DTP70 X Y-high-speed scanner for whole curves

The DTP70 grasps and transfers quickly accurate spectral data in the MonacoPROFILER to the calibration of your devices and to the construction of high-quality ICC profiles.

Misses current Kalibriertargets in 30 seconds and Profiltargets as for example IT8 at less than three minutes

If misses curve with a width of 8.89 cm to 22.5 cm and media with a strength of from 0,076 to 0.36 mm

Automatic Target adjustment for the reduction of reading mistakes

One-key company, automatic Scan and selfcalibration by integrated Kalibrierstandard

From the user eligible background (black or knows), with or without UV portion

New pattern recognition provides for the fact that dividing strips and contrast fields are not necessary any more

MonacoPROFILER (gold or Platinum) with MonacoOPTIX per software

Of this new software release encloses high-quality optimisation, new Target support and an improved profile construction engine. The prize-winning MonacoOPTIX per software was integrated also completely.

Production of overriding ICC profiles including ICC version 4.1 for scanner, CRT-and LCDBildschirme as well as RGB-and CMYK printer

Put a tread from Mehrfarb-issue devices (from 5 to 8 colours) (only Platinum on edition)

Taxes of the colour order and the black production

Expert treatment control of issue profiles by means of brightness, saturation sound issue curves

Printing and measuring of IT8.7 / 3, IT8.7 / 4 and ECI2002 Targets

Import of CGATS-formatted measuring data files

Profile production for your digital camera with the GretagMacbeth Digitally ColorChecker SG Target (only Platinum edition)

Use of platform-covering functions for the measuring field production

Construction of accurate monitor profiles with adaptable white point settings, brightness settings and contrast settings (adaptive brightness setting for LCD screens available)

Examination of the exactness of your monitor profiles and identifying of colours beyond the Gamuts, even before these problems cause

Most broadly possible horror step spectrum with hardware-supported monitor Helligkeits setting and - contrast setting

Use optional table-based monitor shaping

Supervision of the monitor precision by means of drift Trending function

Development of schedules for the monitor shaping for your whole workgroup

Kalibrierkurvenbearbeitung to the exact setting of colour balance and white point of the monitor for maximum efficiency

Enlarged mode for tests with the On Screen display, black value setting and rated value calibration

MonacoOPTIXR2 Colorimeter (Optionally)

Our precision-Colorimeter simulates the human eye. Hardware-supported brightness sound contrast adaptation provide for a very wide horror step spectrum and the greatest possible colour palette for your display.

The glass lens cover provides for exactness and proportions. In addition, she offers a robust surface slightly to be cleaned which scratching prevents

Profile production ICC for CRT-and LCD monitor

Setting of hardware-white points with measuring instrument

Adaptive brightness setting for LCD monitor for accurate colour in every consideration surroundings

Profilerinnerungsanwendung can provide a shaping schedule for your whole workgroup

Multiple monitor calibration for the quick, easy calibration of systems with several monitors

Enlarged functional spectrum

The new Advanced Color ensembles of X-Rite offer innovative high speed to colour management solutions which are even more efficient than before, so that you can keep to standards and to narrow appointments even better.

The intuitive, highly competitive software of X-Rite shows the way by the shaping to you step by step. Optimum results are guaranteed by the activation at the touch of a button, the automatic calibration, the changeable backgrounds and the adjustable UV filter.

Components

DTP70 Scan-X-YSpektralfotometer

Interface cable USB,

Universal net part: 100-240 V

Change stream, 50-60 hertz,

30 W

With or without UV by  
from the user  
replaceable filter  
From the user changeable  
Background (black or  
knows)

#### Software

Macintosh ®  
Power Macintosh and higher  
OSX 10.2 and higher  
Any colour monitor  
with 24-bit-graphics map  
180 mb of working memory  
(RAM) for uses  
100 mb of free hard disks  
USB connection

Windows ®  
Pentium ® PC and higher  
Windows 2000 or XP  
Any colour monitor  
with 24-bit display  
(with LUT support)  
Memory: 128 mb  
Working memory (RAM)  
for uses  
100 mb of free hard disks  
USB connection

#### Dimensions

DTP70 Spectral photometer  
Height: 150 mm  
Width: 315 mm  
Depth: 193 mm  
Weight: 3,320 g

#### Technical performance data:

Measuring geometry:  
Reflektion 45 °/0 ° after  
ANSI/ISO 5-4 (IT2.17)

Measuring screen size:  
3.2 mm of diameter

Source of light:  
Gas pressure with 2850 K

Spectral sensor:  
Almost-technology, 16-point  
Engine, 31-point issue

Spectrum:  
400 nm to 700 nm

Light kind:  
A, C, D50, D55, D65, D75, F2,  
F7, F11 and F12

Standard viewer:  
2 ° or 10 °

Density kinds:  
Status t, E, I, A, Spectral,  
HiFi, Hexachrom

Measuring speed:  
100 measurements per second  
IT8 7/3: 2.5 minutes  
ECI: 4.2 minutes  
IT8 7/4: 4.5 minutes

Reflektion measurement:  
Device correspondence  
0.3 DE 94 average  
0.5 DE 94 maximum  
(based on DTP70-  
Standards for 12 BCRA Tiles)

Measuring area:  
From 0.00D to 2.50 D; from 0 to 160%  
R (Reflektion)

Ability for reproduction on  
Knows:  
0.2DE max.; +/-0.01D max.

Linearity:  
+/-0.02D or 2%, from 0 to 2.5D

Media strength:  
0.08 mm to 0.36 mm

Data interface:  
USB 2.0 Full speed devices

Calibration:  
Integrated calibrating standard  
available

Surroundings:  
+10 ° (50 ° F) to +35°C (95°F)  
Operating temperature 0% to  
85% rel. Air humidity,  
not condensing

Warm-up time:

None

This product is of use in him  
The USA and in other countries  
patented and to the patent  
announced technologies.  
We keep to us the right  
before, technical data and  
Product design any time  
without notification to  
change.

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Mitglied der

**Brakensiek Systemhaus  
GmbH & Co. KG**  
**Klönnestraße 94**  
**D-44143 Dortmund****BRAKENSIEK®**  
**SYSTEMHAUS**

Mitglied im

**[www.brakensiek.com](http://www.brakensiek.com)****Tim Brakensiek**

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☎ **+49(0)231.985-00 10**

Premium Partner

☎ **+49(0)231.985-2000**