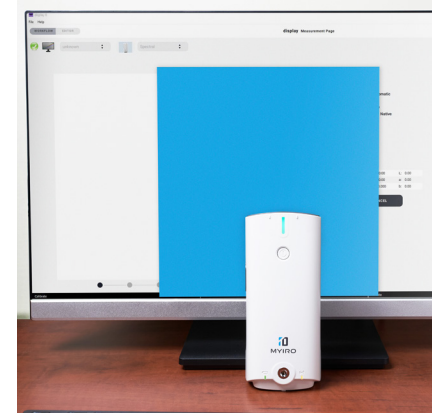




MYIRO-1 Profiling Spectrophotometer



## MYIRO-1 – Profiling Spectrophotometer

### Next Generation ICC Color Profiling Solutions

MYIRO-1 color management solutions have been purposefully crafted to challenge and surpass the status quo by combining the most accurate and repeatable, low cost, scanning spectrophotometer along with sophisticated ICC profiling software to deliver unrivaled value to photography, commercial print, packaging, and signage customers.

#### Pioneering Hardware

From the initial product inception, MYIRO-1 was designed for absolute measurement accuracy, repeatability, build quality, and product reliability. In addition, MYIRO-1 is a WLAN device allowing spectral measurements to be transferred wirelessly to the computer removing the limitations, tangles, and hassles of USB cables. MYIRO-1 users can now measure test charts where they have space and it is comfortable and convenient for them.

#### Intelligent Software

Measure single spots or scan complete profiling charts. Analyze measurement results and compare to industry standards. Build ICC profiles for both printers and computer displays. Intuitive software makes it stress-free by guiding the user through the process. Profiling in prepress has never been easier.

#### Stunning Color Results

Profile your printing press and get ultra-smooth color rendering. Profile your proofer or color retouching displays in the art department and achieve the most accurate color simulations. MYIRO-1 solutions deliver unrivaled color profiling results.



### MYIRO-1 Instrument Highlights:

- **Spot and Scan:** Scan an entire profiling chart in minutes or take just a single spot measurement. MYIRO-1 uses a precise spectral engine and delivers accurate color measurements every time.
- **WLAN Connectivity:** Wireless connectivity greatly improves the ease of use. Measure printed color charts where you have the room to spread out, be comfortable, and leave the stress behind.
- **M0, M1, & M2 in one Scan:** A single scan can provide measurement data under M0, M1, & M2 measurement conditions to ensure efficiency.
- **Bi-directional Scanning:** Time is cut in half with intelligent and automatic bi-directional scanning of test charts.
- **Use with 3rd Party RIPs and Software:** MYIRO-1 is supported by a growing list of software providers in the industry.

### MYIRO-1 Software Configurations:

**MYIRO-1 ESSENTIAL:** Calibrate and build ICC profiles for all of the displays in your photo studio or prepress department. Check your ambient lighting conditions and even calibrate the luminance of your viewing booth for optimum color retouching and soft-proofing results. Also, the perfect solution to use MYIRO-1 with any of the 3rd party software applications that support MYIRO-1.

#### ESSENTIAL Highlights:

- MYIRO-1 Spectrophotometer
- Site license to calibrate & profile all of your displays
- Test chart & color swatch measurements (CIE Lab, CIE LCh, Density, etc.)
- Comparison of measured data sets to see avg.  $\Delta E$ , max  $\Delta E$ , and substrate  $\Delta E$

**MYIRO-1 PROFILING:** Build ICC profiles for all of your displays and color printers too. RGB, CMYK, & DeviceLink printer profiles are created using several preset profiling options which remove the guesswork for the operator and allows the software to make intelligent profiling decisions for the most accurate color results. It is designed to accommodate a wide range of color printers ranging from “desktop” to “grand format” inkjet printers and also digital to analog printing presses. The ideal solution for photographers and printers who need to profile all the displays and printers in their studio or prepress environment.

#### PROFILING Highlights:

MYIRO-1 ESSENTIAL Highlights plus the following:

- Press sheet and proof validation (PASS/FAIL) to industry standard ISO reference print conditions
- RGB, CMYK, and DeviceLink profile generation using intelligent profile settings designed for optimum profile results

**MYIRO-1 ADVANCED:** Build ICC profiles for both your displays and color printers (RGB, CMYK, & DeviceLinks). The Advanced package builds upon the capabilities of MYIRO-1 Profiling by offering both predefined printer profiling options and also powerful manual controls to fully modify and influence the resulting profiles. The Advanced package is designed for those printers who require complete control & customization of press profile color separation parameters, gamut mapping, and compensation for optical brighteners.

#### ADVANCED Highlights:

MYIRO-1 PROFILING Highlights plus the following:

- RGB, CMYK, and DeviceLink profile generation using intelligent profile settings designed for optimum profile results
- RGB, CMYK, and DeviceLink profile generation with custom profile settings for black generation, gamut mapping & optical brightener compensation

## MYIRO-1 Software Features

Find the solution that fits your needs

MYIRO-1 SOFTWARE FEATURES	ESSENTIAL	PROFILING	ADVANCED
<b>ICC Display Profiling:</b>			
Includes site license of baslCCcolor display 6 for unlimited use	■	■	■
Use pre-defined workflows to get started quickly & easily	■	■	■
Customize workflow settings to suit your needs (white point, luminance, etc.)	■	■	■
Calibrate internal LUTs (in supported displays) for precise luminance, black point, color temperature, and gray balance	■	■	■
Validate profiles automatically after creation to ensure accurate results	■	■	■
Check ambient light and viewing booths for conformity to industry standards	■	■	■
Control and automatically set the luminance of compatible viewing booths to match the display luminance for optimum soft-proofing results	■	■	■
Generate 3D LUT calibrations (in supported displays) to emulate any gamut and allow for color correct viewing even with non-ICC-color-managed workflows like digital video, web design, and even medical viewers	■	■	■
<b>Measure, View, &amp; Analyze:</b>			
Measure color swatches or single spots to check CIELab, CIELCh, density, and more	■	■	■
Measure printed color control strips (Idealliance, G7 P2P51, FOGRA MediaWedge, etc.)	■	■	■
Measure printed ICC color profiling charts (IT87/4, TC1617, GMG, MYIRO, etc.)	■	■	■
View measurements in chart, column, and patch modes	■	■	■
Save & Export CGATS measurement data files	■	■	■
Automatically Analyze measurement data sets and see PASS/FAIL results:			
Easy Compare – Compares 2 data sets and shows avg. $\Delta E$ , max $\Delta E$ , and substrate $\Delta E$	■	■	■
Validation Print - Uses ISO 12647-8 criteria to compare a press sheet to a reference print condition (or any 2 data sets to each other)		■	■
Contract Proof - Uses ISO 12647-7 criteria to compare a press sheet to a reference print condition (or any 2 data sets to each other)		■	■
Solid Densities – Choose data set and see your average process solid ink densities		■	■
Save custom references as presets			■
Use custom tolerances			■
<b>ICC Printer Profiling:</b>			
Create RGB printer profiles with pre-defined settings		■	■
Create CMYK printer profiles with pre-defined settings		■	■
Create DeviceLink profiles for CMYK printers with pre-defined settings		■	■
Control & customize RGB & CMYK device profiles settings:			■
Black Generation			■
Gamut Mapping			■
OBA correction			■
Customize settings for DeviceLink profiles:			■
Re-calculate Black Generation			■
Gamut Mapping			■



## Specifications

Illumination/viewing system	45°a:0° (annular illumination)*1
Spectral separation device	Concave grating
Wavelength range	Spectral reflectance: 380 to 730 nm Spectral irradiance: 360 to 730 nm
Wavelength pitch	10 nm
Half bandwidth	appr. 10 nm
Measurement area	ø 3.5 mm
Light source	LED
Measurement range	Reflectance: 0 to 150% / Density: 0.0 D to 2.5D
Repeatability	Colorimetric: Within $\Delta E_{00}$ 0.05 (When white calibration plate is measured 30 times in 10-second intervals after white calibration has been performed)
Inter-instrument agreement	Within $\Delta E_{00}$ 0.3 (Average of 12 BCRA Series II color tiles compared to values measured with a master body under manufacturer's standard conditions)
Measurement time	Approximately 1 second (single-point)
Measurement conditions *2	M0, M1, M2, User-defined illuminant
Observers	2° Standard Observer, 10° Standard Observer
Status indicator	LED to indicate instruments status
Interface	Wireless LAN (802.11 b/g/n); USB 2.0
Scanning measurements	Scanning of color charts under all measurement conditions in one single scan
Power	USB bus power; Rechargeable internal battery
Dimensions (WxDxH)	73 mm x 171 mm x 71 mm
Operating temperature/ humidity range	10° to 35°C, 30% to 85% relative humidity with no condensation
Storage temperature/ humidity range	0° to 45°C, 0% to 85% relative humidity with no condensation
*1	Illumination for wavelengths under 400 nm is unidirectional
*2	M0, M1, M2: Illumination conditions defined in ISO 13655

## MYIRO-1 Minimum Software Requirements

OS	Windows 8.1 Pro 64-bit Windows 10 Pro 64-bit OS X 10.10 to 10.11 macOS 10.12 to 10.15
CPU	Intel® or AMD processor with 64-bit support; 2 GHz or faster processor
Memory	At least 4GB. 8GB recommended
Hard disk drive	At least 8GB of available hard disk space is recommended
Display	Display hardware capable of displaying 1024 x 768 pixels or more; 1366 x 768 pixels or more is recommended
Interface	USB 2.0 (Hi-speed) Wireless LAN

## MYIRO-1 Spectrophotometer and Accessories

- MY-1 Spectrophotometer
- MY-A01 Calibration Cap
- IF-A41 USB Cable(2m)
- MY-A03 Soft Case
- MY-A02 Ruler
- MY-A04 Ambient Light Adapter (Optional accessory)
- MY-CT1 Spectrophotometer Configuration Tool (Available for download on the web)

