

eXactTM 2

The eXact 2 family of portable spectrophotometers is designed to meet the color measurement needs of modern print and packaging workflows. The specifications below outline recommended substrates, measurement functions, workflow integrations, and analysis capabilities available across the eXact 2 models to best support consistent, accurate color control.



Recommended Substrates		eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
Paper-Based	Paperboard/Folding Carton				
	Commercial Print				
	Rigid Packaging				
	Flexible Packaging				
Label/Film-Based	Beverage Labels (PET Bottles)				
	Cups & Drinkware				
	Stand-Up Pouches				
	Personal Care Packaging				
	Snack & Food Packaging				
	Glass Bottle Labels				



Model	eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
Special Measurement Functions	Paper Indices (Whiteness & Yellowness)			X
	Metamerism Analysis			X
	Absolute &Relative Color Strength			X
	Opacity Measurement			X
	ColorCert Workflow Integration		X	X
	Digital Loupe	X	X	X
	BestMatch™			X
	Brightener Index		X	X
	Printing Plate	X	X	X
	Fogra/Ugra Mediawedge, Idealliance wedge (spot and scan)			X
	Enhanced QC Functions: Paper QC, Inks QC, Gray Balance QC, BestMatch Table, TVI Table, G7 Gray Balance			X
	Graphs for all functions: incl. Trend, Reflectance curves, L*a*b* graphs or special graphs	X	X	X
Colorimetry Measurement Functions	CIE XYZ, CIE Yyx			X
	CIE L*a*b*	X	X	X
	CIE L*C*h°	X	X	X
	Density + CIE L*a*b*	X	X	X
	Density + CIE L*C*h°	X	X	X
	Graphs: incl. Trend and/or L*a*b* graphs	X	X	X
Densitometry Measurement Functions	Density	X	X	X
	Tone Value (Dot Area) for M-D and SCTV	X	X	X
	Tone Value Increase (Dot Gain) for M-D and SCTV	X	X	X
	Print Characteristics, Print Curve for M-D and SCTV	X	X	X
	Trapping	X	X	X
	Contrast	X	X	X
	Hue Error & Grayness	X	X	X
	Graphs: incl. Trend or Bar graphs	X	X	X

Measurement Features		eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
Printing Processes	G7, PSO, ISO, Japan Color		X	X	X
	Custom Job Templates	X	X	X	X
Color Libraries	Pantone Formula Guide Coated & Uncoated, Pastels & Neons Guide Coated & Uncoated for M0, M1, M2, M3		X	X	X
	PantoneLIVE	0	0	0	0
	Custom Color Libraries		X	X	X
Security	Setting password protection	X	X	X	X
Others	Scanning integrated		X	X	X
	Spectral data output		X	X	X
	Pass/Fail indication	X	X	X	X
	Averaging	X	X	X	X
	Sample storage, incl. image capture	X ²	X ²	X ²	X ²

Measurement Parameters		eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
Measurement Conditions	Customer Job Builder	X	X	X	X
	Color Library Builder		X	X	X
	- M0 - UV included - ISO 13655:2017 - M1 (method 2) - D50 - ISO 13655:2017 - M2 - UV excluded - ISO 13655:2017 - M3 - Polarization - ISO 13655:2017 ³⁾ (not in eXact 2 Xp) All conditions measured with one single measurement (for spot and scan)	X	X	X	X
Illuminant / Observer	A, C, D50*, D55, D65, D75, F2, F7, F11, and F12 (2°* and 10° observer)	X*	X	X ³	X
dE Method	dE76*, dE94, dE00*, dE CMC	X*	X	X	X
Density Status	ISO Status A, ISO Status E, ISO Status I, ISO Status T, Status G	X	X	X	X
Density White Base	Absolute, Paper	X	X	X	X
Density Colors	C, M, Y, K and spectral density for spot colors	X	X	X	X

Data Interface		eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
USB	USB-C port (delivered with adapter to connect to USB-A ports)	X	X	X	X
Wifi		X	X	X	X

*Only these conditions are supported by eXact 2 Basic.

Software Integrations		eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
eXact 2 Suite	Includes instrument configuration tools, color library editing, job template creation, and DataCatcher software	X	X	X	X
ColorCert QA Tools	A pressroom and ink room quality assurance solution that provides actionable guidance to manage color standards and improve overall color performance.		0	0	0
MeasureColor Production & Reports	Production monitoring and reporting software that supports process control, performance analysis, and data-driven color quality improvements.		0	0	0

Service & Support		eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
My X-Rite	A centralized platform to monitor device health, certification status, NetProfiler access, and service records.	X	X	X	X
	Company Mode enables centralized deployment of instrument firmware updates, configurations, and color libraries across the organization.				
NetProfiler	A cloud-based solution for verifying and optimizing instrument performance to ensure ongoing measurement accuracy.	0	0	0	0
2-Year Service Care Plan	Includes NetProfiler access, loaner devices, accidental damage repair, and phone and email technical support.	0	0	0	0

X: Included
O: Optional

² Limited to 20 samples

³ eXact 2 Xp does not support M3

Spectral Engine	
Spectral analyzer	DRS spectral engine
Spectral range	400 nm - 700 nm

Optics	
Measurement geometry	45°:0°, Circumferential optics, three illuminators, ISO 13655:2017
Measurement aperture	1.5mm, 2mm, 4mm or 6mm
Light source	Full spectrum LED light source

Reflectance Measurement	
Calibration	Automatic on white reference
Inter-instrument agreement	Average: 0.25 dEab, Max: 0.45 dEab (for M3: 0.55 dEab) (Measurements using X-Rite manufacturing standards at a temperature of 23°C +/- 1°C, 40-60% RH for all measurement modes)
Short term repeatability - White	0.02 dEab (standard deviation) White BCRA (Error compared to mean value of 20 measurements every 5 seconds)
Short term repeatability - Density	+/-0.01 D for CMYK

Available aperture sizes:

Size		eXact 2 Basic	eXact 2 Standard	eXact 2 Xp	eXact 2 Plus
Aperture Size	1.5mm		X	X	X
	2mm	X	X	X	X
	4mm	X	X	X	X
	6mm		X	X	X
Measurement Area/On-Screen Reticle Size	2.5mm		X	X	X
	3mm	X	X	X	X
	5mm	X	X	X	X
	7mm		X	X	X
Recommended Patch Size	2mm - 4mm		X	X	X
	3mm - 5mm	X	X	X	X
	5mm - 7mm	X	X	X	X
	7mm +		X	X	X
Screening Range	175 lines/inch or 69 lines/cm or above	X	X	X	X
	133 lines/inch or 52 lines/cm or above	X	X	X	X
	65 lines/inch or 26 lines/cm or above	X	X	X	X

It is always recommended to use the largest aperture size possible.

The illustration below shows how this minimum measurement area appears in relation to the target window opening.

○ The white circle represents the actual measurement area (which equals the aperture size).
■ The magenta square represents the minimum suggested patch size.

This can be used as a guide for operators when placing the instrument optics over patches, which do not completely fill the target window opening.

