



Portable & Handheld Sphere Spectrophotometers

nghxrcxby



Highest Quality With the Broadest Toolset

Ideal for ink rooms, quality control labs, and print and packaging manufacturing facilities with the highest standards, the eXact Advanced can measure the color of ink and paper before, during, and after print production to ensure color stays on target. It also connects with PantoneLIVE and NetProfiler to maximize color accuracy within the workflow.

Advanced Quality Control Management

The eXact Advanced doesn't just validate the color of CMYK and spot color inks, it can simultaneously measure four M modes to visualize the spectral reflectance of a substrate or

ink, measure the concentration of a specific ink, and measure the difference of a substrate or ink over white and over black.

The Key to Consistency on Textured Substrates

Media with texture, such as uncoated stocks or digitally printed media, can introduce directional printing errors. The eXact offers three measurement light sources that create a truly ISO-defined circumferential illumination for less variation.

Ink Concentration Measurement

Verifies the concentration of inks with absolute and relative color strength features.

Advanced Functions to Evaluate Ink and Paper

Leverages a reflectance graph to demonstrate the spectral reflectance of a substrate or ink to detect metamerism.

Protected, Automated White Tile Calibration

Protects the instrument from pressroom dust at all times

Aperture	1.5mm, 2mm, 4mm, 6mm
Battery	Lithium Ion, 7.4VDC, 2200mAh
BestMatch Feature	Yes
Calibration	Automatic on integrated white reference
Color Differences	CIE ΔE^* (1976), ΔE_{CMC} , CIE ΔE^* (2000), and CIE ΔE^* (1994)
Color Spaces	CIE $L^*a^*b^*$, CIE $L^*C^*h^\circ$, CIE XYZ and Yxy
Communication Interface	USB 2.0; Bluetooth (optional) - Class II

Configuration Options	Bluetooth, NetProfiler, Multiple User Profiles with Password Protection
Connectivity	USB 2.0; Bluetooth
Density Range	0.0 D – 3.0 D
Density Standards	Status A, E, I, T and G
Dimensions (length, width, height)	18 cm x 7.8 cm x 7.6 cm; 7.1" x 3.1" x 3.0"
Experience Level	Print Quality Managers, Ink Formulators, and Color Specialists interested in controlling color throughout the workflow and reducing make ready waste
G7 Certification	Yes with embedded G7, PSO, JapanColor job templates
Humidity	30 to 85% RH (non-condensing)
Illuminants	A, C, D50, D55, D65, D75, F2, F7, F11, F12
Import/Export Format	CxF3
Industry Standards	ISO 5-4:2009(E), ISO 13655:2009
Instrument Display	Color touch-screen, 320 x 240 pixels
Internal Temperature & Humidity Sensor	30 to 85% RH (non-condensing)
Languages Supported	Chinese Simplified, Chinese Traditional, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Slovenian, Spanish, Swedish, Turkish, Vietnamese
Light Source	Gas filled tungsten (illuminant type A) and UV LED

Macintosh	MacOS X 10.10, 10.11, 10.12, 10.13
Measurement Conditions	M0, M1 (part 1), M1 (part 2) , M2, M3; also available in Xp variant for flexible packaging substrates
Measurement Geometry	45°/0° ring illumination optics, ISO 5-4:2009(E)
Measurement Time	< 1 sec
NetProfiler Support	Yes
Operating Temperature Range	10°C to 35°C 50°F to 95°F
PantoneLIVE Support	Yes; embedded Pantone Libraries
Pass / Fail	Yes
Sample/Measurement	Max 5,000 samples
Scanning Capability	Yes (Optional Upgrade)
Service Indicator	Certification Reminder
Short Term Repeatability - Density	'+/- 0.01 D for CMYK (Status E or Status T measurements, maximum of 10 measurements every 5 seconds at 2.0 D except for M3 Yellow at 1.7 D)
Short Term Repeatability - White	0.05 ΔEab (standard deviation) White BCRA (Error compared to mean value of 10 measurements every 5 seconds)
Software Development Kit	Yes
Software Modes	Basic
Spectral Analyzer	DRS Spectral Engine

Spectral Interval	10nm
Spectral Range	400nm to 700nm
Spectral Reporting	400 nm to 700 nm with 10nm interval
Standards	More than 20'000 standards (incl. data for all M modes); New Color Library Tool to Create and Store Standards
Storage Temperature Range	'-20° to 50°C -4° to 122°F
Supported Devices	Works with ColorCert, InkFormulation, NetProfiler
User Experience	Start-up wizard; eXact Advanced is the most configurable instrument on the market with password protected user profiles for workflow confidence
Voltage	12 VDC @ 2.5 A
Warranty	1 year
Weight	700 g 1.6 lbs.
What's Included?	USB cable, power supply, CD with software and documentation, docking/charging station, quick start guide, carrying case, device certificate