

OnColor QC Premium

Product Technical Data Sheet

Windows XP, Vista, 7 & 8 compatible
Supports Instrument Performance and Profiling

Windows Graphical User Interface

4 Quadrant User Screen	The main screen of OnColor QC lets you choose what data to display and where; design and save your own personal desktop or customize several for different customers or different test procedures
6 Report Screens	Displays your color data in various formats. Choose from Color Plot, Data Table, Spectral Plot, Statistics, Tolerances, or Multi Quadrant User screen. All are customizable for the job at hand
Keyboard Shortcuts, Hot Spots, Tool Tips	These tools combine everything you want to do in a single keystroke or double click of the mouse. Cursor over your trials to display the name. Right click to select, edit, delete, or hide
Intuitive Navigation	You'll find all of the options easily and quickly following basic Windows program flow

Report Screens

Color Plot	Displays colorimetric and delta data in either 2D or 3D graphical and tabular format along with color patches, visual assessments, pass/fail, and any selected color indices. Customize the screen to show as much or as little information as you need. 3D plots shown in either absolute or delta color mode
Spectral Plot	Displays spectral data (%R, %T, K/S, or A) in graphical and tabulated format; add the spectrum bar or grid for additional impact; graph either a single sample or multiple samples in absolute or difference mode; display multiple curves in multiple colors
Statistics Plot	Plots all selected trials in a Trend chart, Bar chart, or Histogram; displays the mean, standard deviation, and variance of the data set; add color simulation of each trial for visual effect; combine this report with the Sort option to find for example the lightest trial in the group; provides the data you need to support ISO 9000 or total quality management systems
Tolerance Plot	Establishes and displays tolerances for each standard. Choose from elliptical tolerances, box tolerances, DE only, or generate a "best fit" tolerance based on your batch history data. Use the asymmetrical tolerance to offset the tolerance from the center and "favor" a certain direction in color space. Determine SPC using standard deviation method.
Data Table	Lists colorimetric data for all of your trials on one report screen in spreadsheet format. Customize the screen to include only those fields that you need. Can include Pass/Fail, Deltas, Absolute values, indices, job tags, and color patches. Copy your data to Windows Clipboard with a single keystroke.

Measurement Options

Instruments	Works with all color instruments from major manufacturers
Calibration and Instrument Setup	Manages the calibration and configuration of the instrument for SCI/SCE, UV inclusion and calibration, aperture settings, reflectance or transmittance mode, etc. Selectable calibration interval. Green tile test for validation of calibration.
Averaging	Sample averaging with mean, standard deviation, variance, range, min and max; flexible or fixed number of readings; timed measurement loops; "undo" feature lets you repeat the last reading; average last "N" trials
Naming Options	Numerous naming options provide many ways to document your readings; use auto naming to establish and apply a naming scheme for each trial; notes, up to 20 job ID's, and alternate names give many options to tag each reading as needed
Trial Utilities	Use these utilities to manage your data or customize a report: Sort, edit, hide, unhide, delete, find. Select any trial and use the "switch" option to make it the standard; or derive a new standard by averaging the selected trials
Measurement Modes	Provide flexibility for the task at hand. Choose between normal, multi-angle, multi-status, opacity & reflectivity, or haze & diffuse transmittance modes; Instrument profiling can be used to correlate two or more instruments together so they read the same.

Advanced Features

Instrument Performance	To monitor and certify one or more spectrophotometers using a set of stable ceramic tiles; tracks the measurement results in a dedicated instrument performance database; outputs a report of instrument conformance to the reference data and compares the test results to pre-set tolerances
Password Security	Secure your data and comply with ISO and TQM regulations by assigning the privileges and features accessible by operators using the 3 levels: administrator, manager, worker

Macros	Automate repetitive or complex tasks by guiding operators through special test procedures; screen prompts give detailed instructions on what to do next
Send Mail	Send color data worldwide directly from OnColor via your email program, email the screen capture, or send the data in spreadsheet form
Print Labels	Print a label for your sample or standard on a Dymo Label printer of L*a*b*, deltas, indices, job ID's along with an optional bar code

Color Parameters and Indices

Illuminants and Observers	Observer: CIE 2° and 10° Standard Observers Illuminants: CIE Standard Illuminants A, C, D65, D50, D75; CIE fluorescent Illuminants: F2, F6, F7, F8, F10, F11, and F12; Ultralume U5000, Horizon
Color Spaces/Color Difference	CIE L*a*b*, CIE L*C*h*, CIE L*u*v*, CIE XYZ (Yxy), Hunter lab, FMC-2, CMC, CIE 2000, CIE 94, GE-PQS, Audi, DIN99, DIN 6175, Munsell HVC
Indices	<i>More than 100 color indices, including the industry standards for:</i> colorant and base strength, metamerism, whiteness and tint, yellowness, brightness, ISO Textile, chromaticity, opacity, haze, gloss, RGB <i>Measurement Parameters:</i> Date, Time, Sensor, Status, UV %, User ID, Instrument Serial # <i>Averaging Statistics:</i> Range, standard deviation, variance, total count

Data Management

Save-set Data Files	A basic OnColor save-set file consists of one color standard, color tolerances for multiple illuminants, color parameters and an unlimited number of trials. These files can also be configured to hold multiple standards and tolerances for single-angle, multi-angle, or multi-status instruments
Database of Standards	The library of color standards is contained in a MS Access .MDB file. Use this file to manage your color standards or search for the closest shade. Filtering on multiple fields provides advanced search capabilities; data-sets and history files can also be stored and retrieved for the database; also supports SQL format for global sharing of color data
Workspaces	Tired of other people jumping in on the system? Claim your own workspace to store and manage all of the files in a project
Spreadsheet	Easy and flexible options to save your data to a spreadsheet. Just click on the data you want to export and send it to a text file to be read by Excel or many other spreadsheet and word processing programs.
Report Property Templates	Report Property templates let you customize screen layouts according to your personal preferences or the job at hand. Save multiple templates and change the look of your screen in a single click.

Support & Training

Online training & Support	Internet based training and support; schedule a web meeting for live group training, or schedule your own private web conference for troubleshooting or special problems
Help	Extensive context sensitive Help files are built right into the program to guide you through any task
On-Site	On-site installation and training to help you get up and running fast and easily

OnColor Suite of Color Software

QC	Available in QC "Lite" or "Premium" or "Multi-Angle". The Lite version includes all basic quality control features. The full version adds more graphical reports, Database of Standards, Instrument Performance, security, macros, and statistics;
Match Gold	Full version of the formulation and correction program includes modules for match prediction, formula storage and retrieval, batch correction, and colorant database loading and maintenance. Designed to be the complete color lab package.
Match Silver	Designed to be the satellite system. Uses a colorant database generated by the Gold package. Includes all modules except the colorant analysis module.
Other Licenses	Also available are non-measuring work licenses for manager's use in the office for report generation and data manipulation. Multi-angle version for use with multi-angle spectrophotometers. Colorimeter version for use with tristimulus colorimeters.

Minimum system requirements: PC running Windows XP, Vista, 7 or 8; USB port for hardlock; communications port for instrument connection; color printer and/or Dymo Label Writer desirable