

# OnColor QC

## Product Technical Data Sheet

**Vista compatible & supports Instrument 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 it.
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 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. Lab space or CIE x,y Chromaticity diagram
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	Use this report to establish and display tolerances for each standard. Choose from widely accepted elliptical tolerances, box tolerances, DE only, or use the proprietary algorithms to generate a "best fit" tolerance based on your batch history data. Use the asymmetrical tolerance feature to offset the tolerance from the center and "favor" a certain direction in color space. Determine SPC using standard deviation and box tolerancing 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.

### 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; Hitch calibration mode allows you to tie readings from two different instruments together.

### Advanced Features

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, Munsell HVC
Indices	<p><b>Strength:</b> Apparent, Chromatic at <math>\lambda</math> max or user selected, equal apparent, tristimulus, pseudo-tristimulus, DE at equal strength</p> <p><b>Metamerism:</b> CIE, DIN 6172</p> <p><b>Whiteness:</b> CIE, ASTM E313, Berger, Taube, Stensby, Hunter, Ganz- Griesser,</p> <p><b>Tint:</b> CIE, ASTM E313, Ganz-Griesser</p> <p><b>Yellowness:</b> ASTM D1925, ASTM E313, DIN 6167, APHA</p> <p><b>Brightness:</b> ISO 2470, TAPPI, TAPPI 452</p> <p><b>ISO Textile:</b> Stain test ISO 105.A04 (E), Gray scale ISO 105.A05.2, Standard Depth ISO 105.A06, Red stain dye test</p> <p><b>Chromaticity:</b> Dominant wavelength and excitation purity; Rx, Ry, Rz; NBS 100, NBS 200</p> <p><b>Opacity:</b> Infinite thickness (paper backing), contrast (89% tile backing)</p> <p><b>Haze:</b> ASTM D1003 Correlated Haze, Z%</p> <p><b>Gloss:</b> % gloss</p> <p><b>Measurement Parameters:</b> Date, Time, Sensor, Status, UV %</p> <p><b>Averaging Statistics:</b> Range, standard deviation, variance, total count</p> <p><b>Shade Sorting:</b> 555</p>

## Data Management

Batch History 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 provides advanced search capabilities
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 “skins” and change the look of your screen in a single click.

## Unmatched Support & Training

CyberLink™	Internet based training and support; on-line tutorials accessible 24/7; join 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 regular or for colorimeters. The Lite version includes all basic quality control features. The full version adds more graphical reports, Database of Standards, 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 network licenses for deployment on a company wide network, and non-measuring work licenses for manager’s use in the office for report generation and data manipulation.

Minimum system requirements: PC running Windows 2000, NT, XP or Vista; USB port for hardlock; communications port for instrument connection; color printer desirable