Product Web Page: http://konicaminolta.com/products/color/spectramagic/index.html

Konica Minolta SpectraMagic NX Ver.1.51: Difference by editions

Functions:

Function		Professional	Lite
Instrument control	Measurement/Calibration	√	√
	Automatic average measurements	√	√
	Manual average measurements	√	√
	Interval measurement	√	---
	Remote measurement [*1]	√	√
	Upload of data stored in instrument [*1]	√	√
	List view of data stored in instrument [*1]	√	√
	User calibration [*2]	√	√
	UV calibration [*3]	√	---
	Setting target color on instrument [*1]	√	√
	Various instrument settings	√	√
Data display	Data list view	√	√
	Statistics view	√	√
	Pseudocolor display	√	√
Graph display	Spectral (reflectance/transmittance), K/S, absorption, and difference graphs for each	√	√
	L*a*b* absolute value	√	√
	ΔL* Δa* Δb* (2D/3D, MI)	√	√
	Hunter Lab absolute value	√	√
	Hunter ΔL Δa Δb (2D)	√	√
	xy chromaticity diagram	√	√
	Trend graph	√	√
	Histogram	√	√
	2-axis graph of user-selected values [*4]	√	√
Image display (JPEG or BMP format)	Image display	√	√
	Linking to data	√	√
User-designable screen layout	Graph layout function	√	√
	Addition of pages to canvas window	√ (max.10 pages)	---
Tolerance setting function	Setting and use (Pass/Warn/Fail judgment)	√	√
	Automatic setting	√	---
Setting of primary target color and secondary (working) target color	Setting of primary target color and secondary (working) target color	√	---
	Use of primary target color and secondary (working) target color	√	√

Function		Professional	Lite
Macro function (User workflow definition function)	Creation of macro	√	---
	Use of macro	√	√
Supplementary data information function	Setting of supplementary data information	√	---
	Viewing of supplementary data information	√	√
Security function	User management function	√	---
	Operation limitation	√	---
	Audit tracking	√	---
	File lock function	√	---
Color space and index values	(see "Color Space & Index" List)	Full	Limited
Data import/export	Opening/saving of SpectraMagic NX format data files (extension: "mes")	√	√
	Opening/saving of SpectraMagic NX format template files (extension: "mtp")	√	√
	Saving of data in text format (CSV, TXT)	√	√
	Importing of data in specific text format	√	---
	Saving of data in XML format	√	√
	Copying of list view items to clipboard	√	√
Printing functions	Printing of user-definable report layout	√	√
	Printing of data list	√	√
	Printing to serial printer	√	√
Other functions	Navigation function (On-screen guidance for operating procedures)	√	√
	"Precise Color Communication" explanation of color theory and color measurement	√	√
	Setting of shortcut keys	√	√
	Display of large-sized buttons	√	√

*1 Not available when CM-3xxx series instrument is connected.

*2 Available only when CM-3600d or CM-2600d is connected.

*3 Available only when CM-3700d, CM-3600d, CM-3630, or CM-2600d is connected.

*4 Graph of any 2 items from among color/index values displayed in list or supplementary data information.

Color Space and Index:

Color space/index	Professional	Lite
XYZ (absolute/difference)	√	---
L*a*b* (absolute/difference)	√	√
Hunter Lab (absolute/difference)	√	√
L*C*h (absolute/difference)	√	√
Lab99 (absolute/difference)	√	√
LCh99 (absolute/difference)	√	√
Yxy (absolute/difference)	√	---
L*u*v* (absolute/difference)	√	---
L*u'v' (absolute/difference)	√	---
ΔE*ab	√	√
CMC	√	---
CMC Lightness difference component (ΔL)	√	---
CMC Chroma difference component (ΔC)	√	---
CMC Hue difference component (ΔH)	√	---
ΔE*94	√	---
ΔE*94 Lightness difference component (ΔL)	√	---
ΔE*94 Chroma difference component (ΔC)	√	---
ΔE*94 Hue difference component (ΔH)	√	---
ΔE00 (CIE DE2000)	√	√
ΔE*00 Lightness difference component (ΔL)	√	√
ΔE*00 Chroma difference component (ΔC)	√	√
ΔE*00 Hue difference component (ΔH)	√	√
ΔE (Hunter)	√	√
ΔE99	√	√
ΔEc(degree) (DIN 6175-2)	√	---
ΔEp(degree) (DIN 6175-2)	√	---
FMC-2	√	---
NBS100/200	√	---
Color assessment	√	√
Munsell JIS Z8721 1964	√	√
MI (Metamerism Index)	√	√
8° gloss value	√	---
Whiteness index (CIE) and difference	√	---
Whiteness index (ASTM E313-73) and difference	√	---
Whiteness index (Hunter) and difference	√	---
Whiteness index (Taube) and difference	√	---
Whiteness index (Stensby) and difference	√	---

Color space/index	Professional	Lite
Whiteness index (Berger) and difference	√	---
Whiteness index (ASTM E313-96) and difference	√	---
Whiteness index (Ganz) and difference	√	---
Tint (CIE) and difference	√	---
Tint (ASTM E313-96) and difference	√	---
Tint (Ganz) and difference	√	---
Yellowness index (ASTM D1925-70) and difference	√	---
Yellowness index (ASTM E313-73) and difference	√	---
Yellowness index (ASTM E313-96) and difference	√	---
Yellowness index (DIN 6167) and difference	√	---
Blue reflectance (ASTM E313-73) and difference	√	---
Brightness (TAPPI T452) and difference	√	---
Brightness (ISO 2470) and difference	√	---
Opacity (TAPPI T425) and difference	√	---
Opacity (ISO 2471) and difference	√	---
Haze (ASTM D1003-95) and difference	√	---
STATUS A Density and difference	√	---
STATUS T Density and difference	√	---
Rx, Ry, Rz values and difference	√	---
Standard depth (ISO 105.A06) and difference	√	---
Staining Degree (ISO 105.A04(E)); Illuminant C/2° Observer and Illuminant D65/10° Observer	√	---
JIS Staining Degree and Grade (Ns , Ns Grade)	√	---
Grey Scale (ISO 105.A05)	√	---
K/S Strength (Apparent)	√	---
K/S Strength (At wavelength of maximum absorption)	√	---
K/S Strength (Wavelength of maximum absorption)	√	---
K/S Strength (User wavelength)	√	---
K/S Strength (Difference)	√	---
Strength: XYZ	√	---
Strength: Pseudo XYZ	√	---
Dominant wavelength	√	---
Purity	√	---
555 shade sorting	√	---
NC#	√	---
NC# class	√	---
User-defined equation	√	---

* Specifications are subject to change without prior notice.