

Manual abstract:

@@ Simply install our optional software, and your PC can function as the data processor. Easy-to-understand the name on the buttons, ensure smooth measurement and setting operations. Achieves exceptional accuracy Inter-instrument agreement : CR-400: E*ab within 0.6 CR-410: E*ab within 0.8 Repeatability : within E*ab 0.07 User calibration function ensures higher accuracy. (Settings can be configured with the data processor or via a PC with optional software installed.) User-defined evaluation formulas freely set up. The CR-400 Series features a User Index function that allows you to configure the evaluation formula and color calculation formula as desired. This feature is intended to meet the needs of color-control applications in which industry-specific or customized evaluation formulas are used instead of the versatile color system and standard evaluation formula such as L*a*b*. (Settings can be configured via a PC with optional software installed.) Color difference tolerance can be set to perform PASS/WARN/FAIL (Settings can be configured with the data processor or via a PC with optional software installed.) Offers a wider range of color systems than the CR300/310 Series. The measuring head alone can store up to 1,000 measurements. When the data processor is connected, up to 2,000 measurements can be stored. (The measuring head can store up to 100 color-difference target colors with or without the data processor connected.) Capable of displaying color-difference graphs that provide a visual representation of the color difference. (When connected to data processor) Abundant accessories applicable to various materials. A varied selection of accessories is available to accommodate various types of targets including powder, paste and opaque liquids. Compact data processor incorporates a high-speed printer. The compact, lightweight data processor is battery operated* and features a built-in high-speed printer. Its size and weight are approximately one-half those of the conventional DP-300 Series. @@@@ Measure samples in any of 8 universally accepted color spaces. @@ You can even configure up to 3 customized color equations. @@@@ For illustrations and explanations to understanding color and color measurement technology, there is a link to Konica Minolta's well known and respected "Precise Color Communication". TM TM TM © CR-400 Utility Software CR-S4w To take measurements or change the measurement parameters of the CR-400/410 Series, you can control the unit with a PC. Measurement data can be transferred directly to a Microsoft Excel® file by means of the OLE function. (Excel 97/2000/2002 is required to use the Excel transfer function.) ® ® Calibration data and color-difference reference color data can be uploaded or modified. Specifications L*a*b*, L*C*h, Lab99, LCh99, XYZ, Hunter Color space Lab, Yxy, L*u'v', L*u*v*, Munsell, and their color differences (excluding Munsell) WI (CIE 1982, ASTM E313-73, Hunter, Berger, Taube, Stensby, Ganz), Tint(Ganz), Index YI (ASTM D1925-70, ASTM E313-73, ASTM E313-96, DIN6167), WB (B ASTM E313-73), Standard Depth (ISO 105.

A06), RXRYRZ, Gray scale(ISO 105.A05) E*ab (CIE 1976), E*94 (CIE 1994), E00 Color (CIE 2000), E99 (DIN99), E (Hunter), difference CMC (1:c), FMC-2, NBS 100, NBS 200 equation 2 degree Observer Illuminants C, D65 L*a*b* absolute value, L*a*b* (color difference distribution), Hunter Lab absolute value, Hunter Lab (color Graph difference distribution), Trend chart and display histogram of each color space and color difference equation, Pseudo Color display System requirements Windows® 2000 Professional SP4, Windows® XP Professional SP2 CPU Pentium® III 600 MHz or higher Memory 128 MB (256 MB recommended) Hard disk 450 MB of available disk space Display Graphic card capable of displaying 1024 x 768/High Color (16-bit) Other CD-ROM drive (required for installation) One free USB port or printer port (for protection key) One free serial port (for instrument) Internet Explorer Ver. 5.01 or later OS System requirements OS CPU Memory Hard disk Display resolution Windows® 98/2000/XP Pentium® 166MHz or higher 32MB or higher 100MB or more free space VGA (640x 480) or higher © Specifications Name Chroma Meter Measuring Head Model CR-400 Head CR-410 Head Illuminating/viewing system d/0 (Diffuse illumination/0° viewing angle) Wide-area illumination/0° viewing angle (Specular component included) (Specular component included) Detector Silicone photo cells (6) Display range Y: 0.01 to 160.00% (reflectance) Light source Pulsed xenon lamp Measurement time 1 seconds. Minimum measurement interval 3 seconds. Battery performance Approx. @ @550g Approx. @ @3 Seconds. Approx. 800 measurements (when using batteries under company testing Konica Minolta's conditions) Cc shock. ©2002 KONICA MINOLTA SENSING, INC. 9242-4889-11 AGMGPK 8 Me as CR uring H -4 00 ead Me as uri CR n -4 g He 10 ad Da ta P DP rocess -40 or 0 Printed in Japan 67.5 244 .



[You're reading an excerpt. Click here to read official KONICA MINOLTA CR-400 user guide](http://yourpdfguides.com/dref/2649989)
<http://yourpdfguides.com/dref/2649989>