

# NEW COLOR READER CR-20

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Simple operation shows colorimetric values for samples in various forms, from solids to powders, pastes, etc. in a instant.

Simple basic operation. Just three steps: Switch on → Do white calibration → Measure samples

Lightweight and compact!

A Starter

Can display results in any of eight color spaces and colorimetric indexes!





Konica Minolta's new Color Reader Series has arrived !

## Main features

## Display data in a variety of color spaces and colorimetric indexes

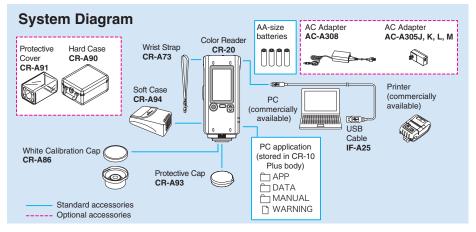
You can select one color space or color index for the measurement data among the eight color spaces and colorimetric indexes available: L\*a\*b\*, L\*C\*h, Yxy, Munsell, WI (CIE/ASTM E 313-96), Tint (CIE/ASTM E 313-96), YI (ASTM E 313-96)

#### 2 **Averaging function**

If sample color is uneven, you can measure several points and then obtain the average result by pressing the Average button.

#### З **Data Memory**

Using the PC application stored in the CR-20, you can set the instrument to store data internally.(Memory capacity: 1,000 data)



## **Main Specifications**

CR-20 ination angle/diffuse viewing: specular component excluded) IN 5033 Teil 7, JIS Z 8722 condition d, ISO 7724/1, CIE No. 15, ASTM E 1164) ells (6 pcs.) lamps measurement at 10-sec. intervals when using alkaline-manganese batteries m
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ation within ΔE*ab 0.1 calibration plate is measured 30 times at 10-second intervals)
nese
Observer
ata, average (up to 999 times)
Yxy, XYZ, Munsell (D65)
I E 313-96), Tint (CIE/ASTM E 313-96), YI (ASTM E 313-96)
up to 1,000)
tive humidity 85% or less (at 35°C) with no condensation
elative humidity 85% or less (at 35°C) with no condensation
line dry batteries or nickel-metal-hydride rechargeable batteries, USB bus power Adapter
Adapter
5 mm

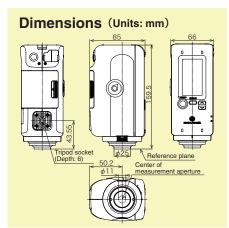
## Other features

A protective glass

The CR-20's tip has a protective glass plate, so you can measure all kinds of samples such as powders, pastes, and wet objects, directly.



By connecting a printer to the CR-20, you can print out measured data.



## PC system requirement

- OS Windows<sup>®</sup> 7 Professional 32bit, 64bit Windows 8 Pro 32bit, 64bit Windows<sup>®</sup> 8 .1 Pro 32bit, 64bit (English, Japanese)
- · The hardware of the computer system to be used must meet or exceed the recommended system requirements for compatible OS being used.
- One USB2.0 port is necessary
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## SAFETY PRECAUTIONS

For correct use and for your safety, be sure to read the instruction manual before using the instrument Always connect the instrument to the specified power supply voltage. Improper connection may cause a fire or electric shock Be sure to use the specified batteries. Using improper batteries may cause a fire or electric shock.

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