LIGHT METERS

ILLUMINANCE METER  LUMINANCE METER  UV RADIOMETER  CHROMA METER

T-10/T-10M/T-10Ws/T-10WL
LS-100/LS-110
UM-10
CL-200
CS-100A
DP-10
DP-101

The essentials of imaging
CHROMA METER CS-100A

A compact, lightweight, battery-powered instrument with a 1° measurement angle for high-accuracy non-contact measurements of the luminance and chromaticity of light sources and reflective subjects.

**Specifications**

- **Type:** Data Processor DP-101
- **Input:** Chroma Meter CS-100A
- **Measurement modes:** Absolute and difference
- **Chromatic systems:** Absolute color: Y, Yuv, L*a*b*, color temperature, distance from blackbody locus Avx
- **Color difference:** ∆Y (Yuv), ∆L* (L*a*b*), ∆u’v’ (L*ab)
- **Target color channels:** 16 (10 for each channel and 6 for printing)
- **Data memory:** 500 sets of measurement data, 32 pages, in-built NICQ battery
- **Display:** 16-character x 2-line dot-matrix LCD with adjustable viewing angle
- **Printer:** 24-character thermal-dot printer
- **Data communication:** RS-232C/422 format, compatible with RS-232C
- **Power source:** 6 AA-size batteries or included AC adapter
- **Dimensions:** 200 x 150 x 100mm
- **Weight:** 890g

**Main Features**

- **Compact and lightweight**
- **Measurments of subjects at a distance**
- **Reflective-Subject Measurements**
- **Display Measurements**
- **Data Storage and Printout**
- **Interval Timer for Automatic Measurements**

**Applications**

- **Light-Source Measurements**
- **Reflective-Subject Measurements**
- **Display Measurements**

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**System Diagram**

- **Components:** Data Processor DP-101, Long Eye-Relief Eyepiece, Close-Up Lenses, Angle Finder Vx, Shoulder Case DP-A30

**Measurements of small subjects**

- 1° measurement angle allows measurement of subjects as small as ø14.4mm at a subject distance of 1014mm by using optional Close-Up Lenses, subjects as small as ø1.3mm can be measured.

**Color difference can also be measured**

- Calibration to a user-selected reference is also possible

**Luminance units of cd/m² or fL can be selected**

**Specifications are subject to change without notice.**
CHROMA METER  
**CS-100A**

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**MAIN FEATURES**
- Compact and lightweight
- Measurements of subjects at a distance
- Reflective-Subject Measurements
- Display Measurements
- Light-Source Measurements
- MAIN APPLICATIONS
- Data Processor DP-101
- OPTIONAL ACCESSORIES

**EASY-TO-READ DISPLAY**
- Viewfinder Image
- Measured value
- Measurement mode
- External display

**SPECIFICATIONS**
- **Type**: CS-100A
- **Type**: Data Processor DP-101

**OPTIONAL ACCESSORIES**
- Close-Up Lenses
- Long Eye-Relief Eyepiece
- Angle Finder Vx

**SYSTEM DIAGRAM**

Specifications are subject to change without notice.
SAFETY PRECAUTIONS

To ensure correct use of the instrument, please adhere to the following.

- Before using the instrument, be sure to read the instruction manual.
- Always use the specified power. Use of inappropriate power may result in fire or electric shock.

The manufacturing center of Konica Minolta Sensing Inc. (Location: Aichi Pref., Japan) was approved by the British certification organization Lloyd's Register Quality Assurance for certification under the ISO 9001: 1994 international quality management system standards on March 3, 1995. Since its establishment in 1990, the center has carried out the development and production of precision instruments and associated application software for the measurement of color, light, and shape. Certification was awarded to the center's quality management system, including design, manufacturer, management of manufacture, calibration and servicing. Certification was carried over to the ISO 9001: 2000 standards in February, 2003.

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