

Colorimeter for Display Measurement

SC-500s



Application

Object(Target)

- Display (OLED/LED/LCD/PDP)

Measurement

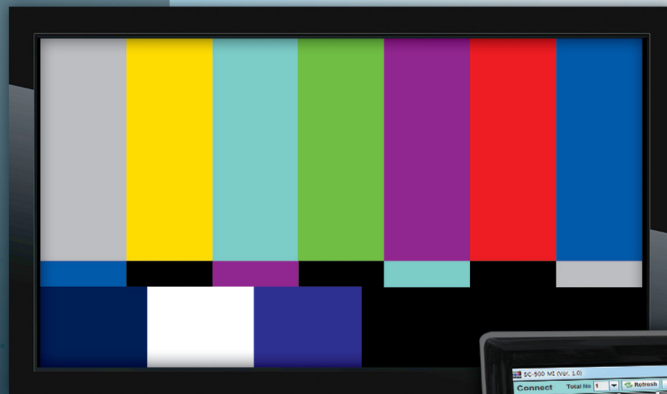
- Luminance
- Chromaticity
- Correlated Color Temperature

Adjustment

- White balance
- Uniformity
- Contrast
- Gamma

Feature

- High accuracy
- High sensitivity
- High speed
- Compact design
- Portable (Option : Battery pack)
- Easy to use



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Specifications

Photo detector		Si-Photo diode
Spectral responsivity		CIE1931 color matching function
Measurement area		Φ 10 mm
Measurement distance ⁽¹⁾		(20 ± 5) mm
Display range	Luminance	(0.001 ~ 5000) cd/m ²
	Chromaticity	4 digits
Luminance ⁽²⁾ (23 ± 2) °C, (50 ± 10) % RH	Measurement range	(0.015 ~ 5000) cd/m ²
	Accuracy	± 2 % ± 0.003 cd/m ²
	Repeatability	0.1 % ± 0.003 cd/m ²
Chromaticity ⁽²⁾ (23 ± 2) °C, (50 ± 10) % RH	Measurement range	(0.150 ~ 5000) cd/m ²
	Accuracy	± 0.003
	Repeatability	0.001
Measurement mode		xyLv, XYZ, u'v'Lv, TΔuvLv
Measurements speed ⁽³⁾		<ul style="list-style-type: none"> · Fast : 50 ms/measurement · Slow : 330 ms/measurement
Sync (Horizontal scan frequency)		<ul style="list-style-type: none"> · Only INT Mode (Default : 60 Hz) · Range : (40 ~ 240) Hz · Measure time(s) : (1 / Sync) × 2
Interface		RS-232C, Micro USB
Operating condition	Temperature	(18 ~ 28) °C
	Humidity	70 % RH or less
Storage condition	Temperature	(0 ~ 40) °C
	Humidity	70 % RH or less
Power consumption		DC 6 V / 220 mA Adapter
Dimension		157 mm(L) × 41 mm(W) × 44 mm(H)
Weight		230 g

(1) This is a distance from the lens to the target.

(2) The luminance & chromaticity are Measured under calibration conditions using a reference LCD.

(3) The measurement speed is dependent on frequency(used INT Freq.).

Accessories

Standard



SC-500s



DC Adaptor

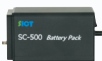


Si-Aperture



Zero cal. Cap

Option



Charge Battery Pack



RS-232 Cable



Tripod Plate



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