CV600

UPRTek LED Light Meter

Overview

The CV600 is the next generation of advanced Color/ Exposure meters from UPRTek. It's designed for quick, efficient measurements. It's new Color Correction Filters Calculator makes it easy to match the color of any light source. The new Exposure setting allows you to take readings in T, F, TF, and EV modes. Among its features include; CRI, CCT, LUX Delta Ascention, Spectrum Analysis & Flicker measurments. The CV600 provides effortless data transfer through its SD card (data) storage slot.

The CV600 is a cost-effective LED color/Exposure meter that is portable, lightweight, and easy-to operate.

CV600 | UPRTek LED Light Meter **| UPC Code:** 847983017683

Special Features

- Wavelength 380-780nm
- Color Correction Filters Calculator
- Flicker Detection Max Sample Rate: 100K H2/sec
- Flexible Adjustment of the Basic List
- Added Measuring Functions with CRI measurements
- Exposure Mode allows you to take measurements in T Mode, TF Mode, F Mode, and EV Mode

Recommended For

- Studio Lighting
- Field Lighting
- Specialty Lighting

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Wavelength 380nm-780nm

The spectral wavelength of the CV600 ranges between 380nm-780nm. This allows users to have a solid understanding of where Delta Ascension happens.

Flicker Measuring Modification

Flicker can cause headaches, dizziness, or migraines, the CV600 provides new commercial light healthcare through its Flicker Measurement modification.

Color Correction Filters Calculator

The new Color Correction Filters Calculator provides an efficient method of identifying and matching the color of any light source. Through its calculated readings, it finds which gel would have the most accurate color temperature.

Bold Color Interface

The new color interface makes finding the correct screen easy!

Flexible Adjustment of the Basic List

Having a variety of options at your fingertips makes the CV600 a great tool to have on set.

Additional Measuring Functions

The color by color read out of all the 15 swatches in the CRI index gives you a quick overview of the LED lights performance.

Multiple Types of Measurements in Exposure Mode

The Exposure mode allows for the user to adjust for Time of Exposure (T Mode) and F-Stop (F Mode) setting the iris. Also TF Mode, setting both time and F-Stop. The Exposure Value (EV Mode) allows you to compensate for light or dark in the video or photo.

What's Included

1 x CV600
1 x Rechargeable Battery
1 x Carry Case *(Canvas Pouch)*
1 x AC Power Supply/Charger
1 x Cleaning Cloth
1 x USB Cable
1 x WiFi Wing Card

Specs		
Sensor	CMOS Linear Image Sensor	
Spectral Bandwidth	Approx. 12 nm (half bandwidth)	
Receptor Size	$\varnothing$ 6.6± 0.1 mm	
Measurement Range	70~70,000 Lux	
Wavelength Range	380~780 nm	
Flicker Sampling Rate	100 K/sec	
Measuring Modes	Basic Mode	
	Spectrum Graph Mode	
	CIE Chromaticity Diagram Mode	
	Filter Mode	
	Color Rendering Index Mode	
	Filter Mode	
	Flicker Free Mode	
Measuring Capabilities	CCT	
	CRI	
	Luminance (LUX) / Foot Candles	
	λP	
	λPV	
	CCi, CCf	
	LBi, LBf	
	Delta UV	
	R1-R15	
	x CIE (1931) y CIE (1931)	
	u´ CIE (1976) v´ CIE (1976)	
	Flicker Percentage	
	Flicker Index	
	Frequency	
	I-Time	
	TLCI	
	Spectrum Graphics	
	EV, ISO	
	T (Shutter), F (Aperture)	
Wavelength Data Increment	1 nm	
Wavelength Reproducibility	± 1 nm (Input source must be stable light)	
Illuminance Accuracy	Illuminant A @ 2856K at 20000 Lux	± 5%
Color Accuracy		± 0.0025 in CIE 1931 x,y
Color Repeatability		± 0.0005 in CIE 1931 x, y
CCT Accuracy		± 2%
CRI Accurany @ Ra		± 1.5%
Display	3.5" LCD 320x240 Touch Panel	
Max Files	≈ 2000 Files @ 2GB SC Card	
Battery Operation Time	≤ 5 Hour Fully Charged	
Battery	2500 mAh / Rechargeable Li-Ion Battery	
Data Output Interface	SD Card (SD2.0, SDHC/above 1GB~up to 32GB/ USB 2.0	
Data Format	Compatible Excel / JPG Data Format	
Dimensions	144.2 x 78 x 24mm (H x W x D)	
Weight (w/ Battery)	250g ± 20g	
Operating Temperature	0~35° C	
Shipping Dimensions	15 x 12 x 6 In.	
Shipping Weight	3.14 lbs	

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