SEKONIC®

light meters for cinematography

Prodigi Color C-500 | L-758CINE DigitalMaster | L-358 Flash Master | L-398A Studio Deluxe III

shaping the character of light


SEKONIC
POWER
AVE./ΔEV
ISO 1
ISO 2
MID. TONE
M.CLEAR
MODE

Cinematic lighting is craft on a schedule. It has two masters: The director and the clock. Good lighting is more than just correct exposure. And correct exposure is more than just the right camera settings. Properly shaped light is vital to storytelling. It directs the viewer and sets the mood. And correct exposure is critical to achieving full tonality and proper color saturation. Both have to be done right and done on time. That is why Sekonic is becoming the cinematographer's meter of choice.

Light is measured in two ways

Incident Light Metering

Incident metering tells you about the light you are controlling. It's hemisphere receptor is designed to integrate all of the illumination that falls on it, and the subject, including the key light, line light, hair light, eye lights, etc. Besides taking nearly foolproof exposure readings, incident light meters enable you to set up and light a scene before the principal talent arrives. They also allow "walking the set" to measure the evenness of the illumination. The Sekonic L-758CINE and L-358 offer the convenience of a retractable Lumisphere. Retract the Lumisphere to read individual light sources to adjust them to the desired ratio. Extend it to take an exposure reading at the subject position.

Reflected Light Spot Metering

Reflected light metering tells you about the scene and subject. Different from incident light metering that produces readings only for the middle of the exposure range, reflected light spot metering can show you where the edges are. To get the most out of a spot meter, use it to measure the brightest and darkest areas you want in the scene to determine the scene brightness range. This will help you light the scene to fit your digital camera or film. The L-758CINE's analog scale, 9-reading memory and averaging functions enable quick measurement of the brightness range and producing an averaged center point. Then a simple skin tone or gray card reading at the talent position will tell you where to start. Spot metering with this precision requires that you know the dynamic range of your DV camera or film. The L-758CINE's Latitude Display can be programmed to mirror the dynamic range of your digital camera or film.

Color control for today's DV cameras and film

Sekonic Prodigi Color C-500

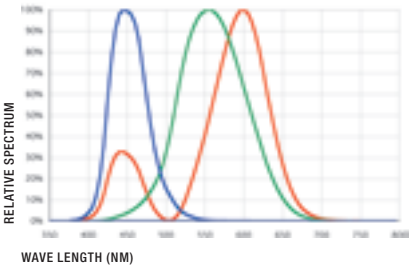
CAT# 401-500 (C-500) | CAT# 401-501 (C-500R)

The PRODIGI COLOR C-500 is the first photographic color meter that measures and displays color temperature and compensation values in LB/CC index or filter numbers for both DV cameras and film. Working on location with today's mix of tungsten, halide, vapor and fluorescent lights can be challenging. The C-500 gives you the control you need to balance sources and accurately reproduce color tones from set to set.

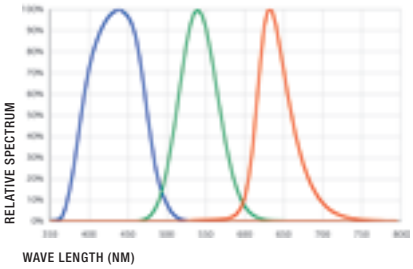
Digital and film compatible

The PRODIGI COLOR C-500 and C-500R measure and display color temperature and compensation values in LB/CC index or filter numbers for both digital and film cameras. In Digital Mode, the color temperature and compensation readings are based on human visual response. In Film mode, readings are based on the color characteristics of traditional photographic film. By engineering the spectral characteristics of both systems into a single meter, Sekonic designers have given you greater control over lighting and color reproduction than ever before, regardless of your medium.

The Rd sensor set responds to Digital Color Sensitivity



The Rf sensor set responds to Film Color Sensitivity



KEY HIGHLIGHTS

Light Color/ Brightness Display

- *Kelvin color temperature*
- *Lens filtration in LB/CC filter numbers*
- *Light source filtration in Index numbers*
- *Incident readings in Foot Candles or Lux*

One press display button for easy readout of all important information

Color Temperature Display (in Kelvin)

The color temperature is displayed for human visual response in Digital Mode or the spectral response for photographic color film in Film Mode.

LB/CC Index Display

The LB (Light Balancing) in MK^{-1} (Per Mega Kelvin equivalent to Mired) and CC (Color Compensation) Index correspond to light source filtration systems. This simplifies the selection of amber (CTO) or blue (CTB) filtration as well as the amount of magenta or green (CC) filtration needed to balance the color of the lights you are using.

LB/CC Filter Number Display

Used primarily for film applications, the amount of lens filtration needed is directly indicated in both LB (Light Balancing) and CC (Color Compensation) filter values. The display can be adjusted to read out in KODAK Wratten, LEE or FUJIFILM filter systems in the custom setting MENU.

Illuminance Measurement

The brightness of continuous light sources is displayed in foot candles (FC) or LUX (lx). Illuminance measurement is especially useful for cinematography, videography, theatrical and other applications that require precise control of light source brightness.

Preset White Balance / Color Compensation Function

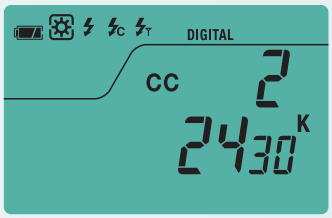
Nineteen presets enable adjusting display values to compensate for differences in film types, light sources, digital sensors, or personal preference. An eight-character readout on the display allows creating custom naming for easy identification of the compensation value.

Memory (Δ) Function

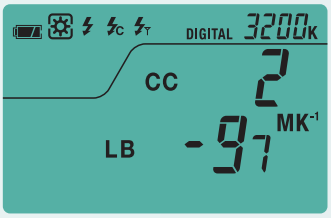
A simple way to observe differences in light source color or brightness is with the C-500's memory function. Simply take a reference reading and press the memory (Δ) button. Then press the measuring button and measure any other light source to see the difference in color (Kelvin or filtration) or brightness (foot-candle or Lux).

Custom Settings

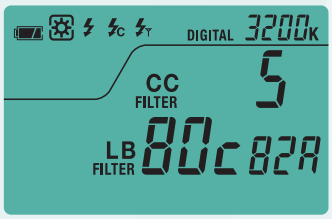
- Shutter speed steps (Full, 1/3 step or 1/2 step)
- Target color temperature increments (100K, or $10MK^{-1}$ Step)
- LB index display step ($1MK^{-1}$, $1daMK^{-1}$ step, w/o decimal point, $1daMK^{-1}$ step with decimal point)
- LB filter number display (Kodak/LEE or Fujifilm)
- Automatic power off setting (5, 10, or 20 minutes, or no turn off)
- Illuminance measurement mode (No display, either FC or lx, both FC and lx)



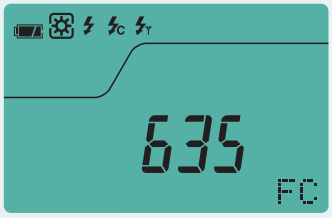
Color Temperature



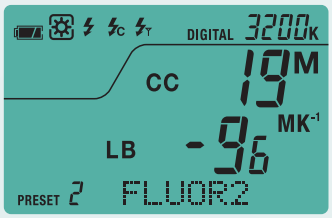
LB/CC Index



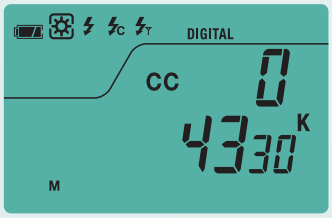
LB/CC Filter Number



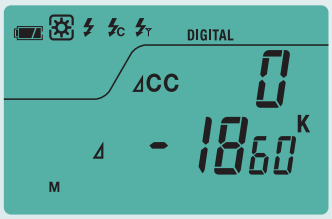
Illuminance Measurement



Preset White Balance / Color Compensation



Memory (Δ) Function



Color Difference

Full-featured exposure analyzer for today's cinematographer

Sekonic L-758CINE DigitalMaster

CAT# 401-760

The Sekonic L-758CINE offers the latest digital video camera features and settings. It has the most extensive range of frames per second and shutter angle settings making it the ultimate light-measuring tool for cinematographers and videographers.

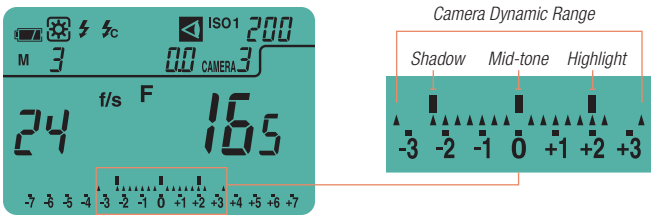
Full information Spot Viewfinder

The 1-degree spot meter has a broad reading range from EV 1 to EV 24.4 (0.07 to 190,000 FL). Its large, bright viewfinder with diopter correction and full-information data display give you everything you need to make the right exposure decisions without having to take your eye from the eyepiece.

Memory Mode and Latitude Display

Up to nine readings can be memorized in incident or spot metering modes. An indicator appears on the analog display each time a measurement is memorized and the total number of memorized measurements appears numerically on the screen. Memorized readings are retained when switching between reading modes. This provides a fast and simple way of retaining and analyzing shadow, mid tone and highlight exposure readings. Digital readings can be recalled and/or cleared at any time for precise exposure control.

The dynamic range of your digital camera or film can be programmed into the L-758CINE to create a Latitude Display that mirrors the range of your system. This important guide will let you know when readings fit within the latitude of your system and when they are outside the range.



KEY HIGHLIGHTS

Cinematography Display

- *Full range of Cine speeds (1~1000 fps)*
- *Shutter angles from 1~270 degrees*
- *Aperture and EV readout*

Light measurement Display

- *Incident readings in Foot Candles/Lux*
- *Reflected light readings in Foot Lamberts and Cd/m²*

Contrast Function

The contrast function switches the data displays to a simple, direct EV readout to enable measuring scene brightness and create lighting ratios faster than ever before.

Incident Light Metering

- Measure the key light and press the AVE/ΔEV button. Press the measuring button to read the fill light and the digital display instantly switches to EV to show the brightness difference with tenth-stop accuracy.

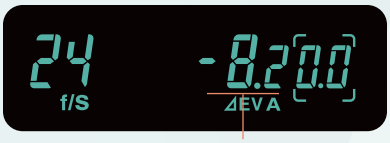
Reflected Light Spot Metering

- Establishing scene brightness has never been this simple. Spot meter a highlight area and press the AVE/ΔEV button. Then measure the shadows to instantly see the difference in scene brightness without ever taking your eye from the viewfinder.
- Press the memory button to compute an averaged mid-tone and display all three readings on the dynamic range line of the L-758 CINE's analog display. This quick and easy method gives you all the information you need to make every exposure decision.

Highlight *Spot Viewfinder*

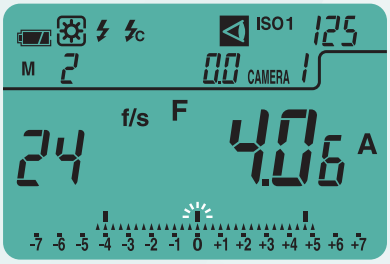
f/number

Shadow *Spot Viewfinder*



Brightness Difference

Averaged Mid-tone



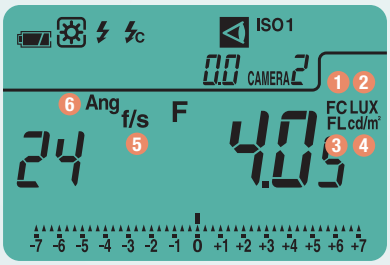
Dual ISO Settings

Dual ISO buttons enable quick adjustment of exposure when working with two ISO speeds and making adjustments for filter compensation or calling up one of seven commonly used Wratten filter factors.

All-Weather Design

All buttons, switches and compartments are sealed and the meter housing has been designed to endure rugged outdoor conditions. Ideal for location shooting, in rainy or humid environments.

Cine/lighting Displays for L-758CINE



1. **FC** Appears when Foot Candle is selected
2. **LUX** Appears when Lux is selected
3. **FL** Appears when Foot Lambert is selected
4. **cd/m²** Appears when cd/m² is selected
5. **f/s** Shutter speed display for frames per second (f/s)
6. **Ang** Appears when shutter angle is set to a value other than 180 degrees

Advanced features in an easy-to-use, rugged design

Sekonic L-358 Flash Master

CAT# 401-358

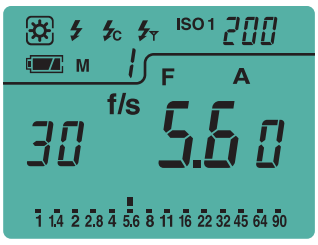
The versatility of today's cameras is expanding at an amazing rate. You can use a digital video camera to capture still frames for printing and digital SLR camera to record moving images. Whether you are a cinematographer, a still photographer or involved in any facet of image capture, the Sekonic L-358 is the perfect meter for you.

Ambient Light Metering

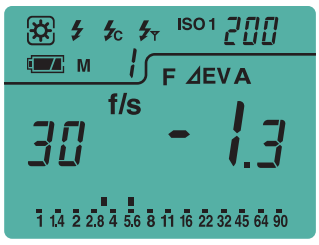
Take readings from f/1 to f/90.0 with 1/10th stop accuracy at frame rates from 2 to 360fps. L-358 displays exposure both digitally and on an analog scale for easy readout. Selectable DIP switches enable adjusting the aperture readout for full, half, and third-stop increments to mirror the settings of your camera. You can change exposure settings after taking readings and the meter will automatically compensate to maintain the proper exposure. And the extended sensitivity range, EV–2 to 22.9 for ISO 100, allows taking exposure measurements in virtually any kind of light.

Contrast Function

Setting up lighting ratios or checking the evenness of a background or scene is push-button simple. Take a reading of the key or reference light and press the AVE/ΔEV button to create a standard. Then press the measuring button to display the brightness difference between the standard and new reading.



Key Light



Fill Light

! KEY HIGHLIGHTS

Cinematography Display

- *Full range of Cine speeds (2~360 fps)*
- *Aperture and EV readout*

Memory Mode and Average Function

Up to nine readings can be memorized. An indicator appears on the analog display each time a measurement is memorized and the total number of memorized measurements appears numerically on the screen. Pressing the AVE/ΔEV button displays the average of values in memory.

Exposure and Calibration Compensation

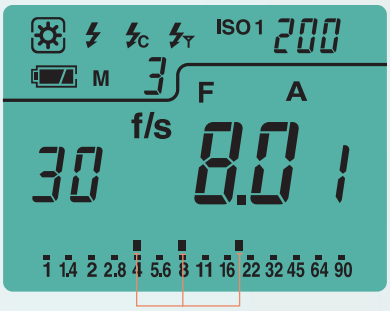
Exposure compensation of up to +/–9.9 EV can be easily set to filter compensation. Calibration compensation can be used to tune the L-358 to film or digital camera sensors or matching the L-358 to other handheld meters.

All-Weather Design

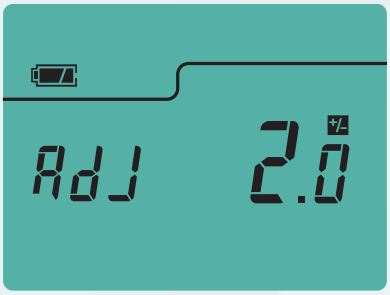
All buttons, switches and compartments are sealed and the meter housing has been designed to endure rugged outdoor conditions. Ideal for location shooting in rainy or humid environments.

Additional Features

- Aperture and shutter priority exposure reading for still cameras
- Flash measurement in Cordless, Corded or Radio triggered flash with optional module
- Flash analyzing mode for fine adjustment of flash-ambient light balance
- Accumulated flash measurement
- Standard Reflected light attachment with 54° reading



Background Average Key Light



2 Stop Filter Correction

All-Weather Design

Optional Spot Viewfinders

The L-358 accepts optional spot finder attachments that extend the versatility of the meter with a choice of 1°, 5° or 10° spot measurements, which easily attach to the meter. Each spot finder features parallax-free swiveling eye-piece for precise spot metering.

Classic analog light meter for battery-free ambient light readings

Sekonic L-398A Studio Deluxe III

CAT# 401-399

The classic photo meter that traces its roots to the famous Norwood Director, the Sekonic 398A has become a favorite with cinematographers the world over. A pure analog experience, the meter needle and exposure dial system gives you all reading combinations at a single glance. And because it uses an amorphous photocell that generates its own power, there is no need for a battery.

Features

- Instant reading of full range of aperture/shutter combinations
- Amorphous photosensor eliminates need for batteries
- Continuous reading plus needle lock for easy and accurate readings
- Swivel Head to position incident dome and maintain full view of display
- Lumidisc for adjusting illumination contrast and measuring illumination intensity
- Lumigrid for measuring reflected light
- Memory pointer retains prior reading
- Supplied with Lumisphere, Lumidisc, Lumigrid, High-slide, case and neck cord. Set of 11 direct reading slides sold separately

! KEY HIGHLIGHTS

Cinematography Display

» *Most used Cine speeds (8 through 128 fps)*

» *Aperture and EV readout*

Light Measurement Display

» *Incident readings in Foot Candles*

L-398A Specifications

Type	Hand-held exposure meter for measuring for ambient light
Light Receptor Element	Amorphous silicon photocell
Light Receiving Method	Lumisphere (for incident), Lumigrid (for reflected)
Film Speed	ISO 6 to 12000
f/stop Range	f/0.7 to f/128
Shutter Speed	60 to 1/8000 sec
Movie Scale	8 to 128 fps
Dimensions	2.3w × 4.4h × 1.3d in (58w × 112h × 34d mm)
Weight	6.7 oz (190 g)

L758CINE and L-358 Specifications

Sekonic Meter			**L-758CINE DigitalMaster**	**L-358 Flash Master**
Type			Hand-held exposure meter for measuring ambient and flash light	Hand-held exposure meter for measuring ambient and flash light
Light Receptor Element			2-Silicon photo diodes (incident and reflected)	Silicon photo diode
Light Receiving Method	Incident Light	Rotating Head	90° to the right, 180° to the left	90° to the right, 180° to the left
		Lumisphere	Retractable for contrast reading	Retractable for contrast reading
	Reflected Light	Light Receiving Angle	1° (built-in)	54° (Lumagrid) standard accessory
		Viewfinder	Built-in with diopter correction	1°, 5°, 10° (Optional NP finders)
	Switching between Incident / Reflected Readings		Rotate collar around spot meter eyepiece	Remove lumisphere. Install reflected light attachment.
Measuring Modes	Ambient	Ambient	Aperture priority, shutter priority, EV	Aperture priority, shutter priority, EV
			Simple illumination (lux, foot candle)	—
			Simple brightness (foot lambert, cd/m²)	—
	Flash	Flash	Cordless with auto reset, cord	Cordless with auto reset, cord
		Multiple Flash Mode	Unlimited accumulated flash bursts	Unlimited accumulated flash bursts
		Flash Analysis	0 to 100% in 10% steps	0 to 100% in 10% steps
		Radio Triggering	32 channels, 4 zones, 100 ft range (optional module)	32 channels, 4 zones, 100 ft range (optional module)
Measuring Range (ISO 100)	Incident Light	Ambient	EV –2 to EV 22.9	EV –2 to EV 22.9
		Flash	f/0.5 to f/161.2	f/1.0 to f/90.9
	Reflected Light (Built-in)	Ambient	EV 1 to EV 24.4	—
		Flash	f/2.0 to f/161.2	—
	Reflected Light (With Lumigrid)	Ambient	—	EV –2 to EV 22.9
		Flash	—	f/1.0 to f/90.9
	Illumination	Ambient	0.63 to 190,000 lux 0.10 to 180,000 foot candles	—
	Brightness	Ambient	0.25 to 190,000 cd/m² 0.10 to 190,000 foot lamberts	—
	NP Finder (1°) (Optional)	Ambient	—	EV 5 to EV 24.4
		Flash	—	f/8.0 to f/90.9
	NP Finder (5°) (Optional)	Ambient	—	EV 3 to EV 24.4
		Flash	—	f/4.0 to f/90.9
	NP Finder (10°) (Optional)	Ambient	—	EV 2 to EV 24.4
		Flash	—	f/2.8 to f/90.9
Display Ranges	ISO	ISO 1 / ISO 2	ISO 3 to 8000 in 1/3 steps	ISO 3 to 8000 in 1/3 steps
	Ambient Light	Aperture (Digital)	f/0.5 to f/161 in 1, 1/2 or 1/3 stops	f/1.0 to f/90 in 1, 1/2 or 1/3 stops
		Aperture (Analog)	f/0.5 to f/64 in 1/3 stops	f/1.0 to f/90 in 1/2 stops
		Shutter Speed (Digital)	30 min to 1/8000 sec in 1, 1/2 or 1/3 stops plus 1/200, 1/400	30 min to 1/8000 sec in 1, 1/2 or 1/3 stops plus 1/200, 1/400
		Shutter Speed (Analog)	—	2 sec to 1/4000 sec in 1/2 stops
		Cine Speeds	1, 2,3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 25, 30, 32, 36, 40, 48, 50, 60, 64, 70, 72, 90, 96, 100, 120, 125, 128, 150, 200, 240, 250, 256, 300, 360, 375, 500, 626, 750, 1000 fps at a 180° shutter angle	2, 3, 4, 6, 8, 12, 16, 18, 24, 25, 30, 32, 36, 40, 48, 50, 60, 64, 72, 96, 120, 128, 150, 200, 240, 256, 300, 360 fps at a 180° shutter angle
		Shutter Angle	1° to 10° (in 1° steps), 15° to 270° (in 5° steps), plus 12°, 17°, 22°, 144°, 172°	—
		Filter Factor	85, n3, n6, n9, A3, A6, A9	—
		EV Digital	EV –9.9 to 46.6 1/10 stops	EV –9.9 to 40.6 1/10 stops
		Analog Scale	7EV to +7EV	—
	Flash Light	Aperture	f/0.5 to f/161 in 1, 1/2 or 1/3 stops	f/1.0 to f/90 in 1, 1/2 or 1/3 stops
		Shutter Speed	30 min to 1/1000 sec 1/75, 1/80, 1/90, 1/100, 1/200, 1/400	30 min to 1/1000 sec 1/75, 1/80, 1/90, 1/100, 1/200, 1/400
		Flash Analysis	0 to 100% in 10% steps	0 to 100% in 10% steps
Repeatability			+/–0.1 EV	+/–0.1 EV
Calibration Constant		Incident Light	Lumisphere C=340, Lumidisc C=250	Lumisphere C=340, Lumidisc C=250
		Reflected Light	K=12.5	K=12.5
Operating Temperature Range			–10 to 50°C (14°F to 122°F)	–10 to 50°C (14°F to 122°F)
Storage Temperature Range			–20 to 60°C (–4°F to 140°F)	–20 to 60°C (-4°F to 140°F)
Power			1 xCR123A battery (lithium dry cell)	1 xCR123A battery (lithium dry cell)
Dimensions			3.5w × 6.7h × 1.9d in (90w × 170h × 48d mm)	2.2w × 6h × 1d in (57w × 155h × 25d mm)
Weight			9.45 oz (268 g) with battery	5.4 oz (153 g) with battery
Standard Accessories			Soft case, strap, lens cap, USB cable, CR-123A lithium battery, quick guide, sticker for multi-key operation and cs, software in cd-rom, operating manual	Lumigrid, CR123A lithium battery, soft case, strap, operating manual
Optional Accessories			Exposure Profile Target, Exposure Profile Target II, Step-up Ring, RT-32 Radio Transmitter	RT-32 Radio Transmitter, spot viewfinder 1°, spot viewfinder 5°, spot viewfinder 10°
Main Functions			Exposure profiling, EV scale, latitude warning, USB port, flash/ambient analyzing function, full, 1/2, 1/3 step selectable readings, nine reading memory, average function, contrast function, flash, cumulative mode, shutter speed priority mode, aperture priority mode, EV (Exposure Value) mode, all-weather design, auto backlight, independent exposure compensations for incident and reflected light, setting two ISO sensitivities, 17 custom functions, auto power off, battery power indicator, jog wheel lock, diopter adjustment, tripod socket	Flash/ambient analyzing function, full, 1/2, 1/3 step selectable readings, nine reading memory, average function, contrast function, flash cumulative mode, shutter speed priority mode, aperture priority mode, EV (Exposure Value) mode, all weather design, auto backlight, setting two ISO sensitivity, auto power off, battery power indicator, cine speeds, jog wheel lock, optional spot viewfinder

PRODIGI COLOR C-500 & C-500R Specifications

Type			Three-color photographic color meter with four sensors to determine visual (digital) or photographic (film) color temperature of light sources and filtration required
Receptor Head			Rotating (90° to the right/180°to left) receptor head containing four filtered photo diodes under flat incident light recepter
Measurement Types	Digital Mode		Visual color temperature (based on color matching function)
	Film Mode		Photographic color temperature (based on film spectral characteristic)
Measuring Modes	Ambient		Yes
	Flash	Cordless/Cord	Yes
		Radio Triggering	Yes (C-500R only)
Measuring Ranges	Color Temperature		2,300K to 20,000K
	(At ISO 100 Equivalent)	Ambient Light	EV 3 to EV 16.3 (20 lx to 200,000 lx)
		Flash Light	Range Low F No.2.8 to 22 (20 lx/s to 1,300 lx/s) Range High F No.16 to 90.9 (640 lx/s to 38,000 lx/s)
	Illuminance	Ambient Light	2.5 lx to 610,000 lx 0.23 FC to 56,500 FC
Display Modes	Digital	Ambient/Flash Light	Visual color temperature + CC index LB filter number + CC filter number (Fuji's LBA/LBB, Kodak Wratten/LEE filter number) LB index + CC index
	Film	Ambient/Flash Light	Photographic color temperature LB filter number + CC filter number (Fuji's LBA/LBB, Kodak Wratten/LEE filter number) LB index + CC filter number
	Illuminance	Ambient Light Only	Lux (lx) Foot candle (FC)
Display Ranges	Measured Color Temperature		2,300K to 20,000K
	Selected Color Temperature		2,500K to 10,000K
	LB Index		–500 to +500 (in MK–1)
	LB Filter Number	Fuji's LBA/LBB	LBB20 to LBA20
		Kodak Wratten/LEE	80A + 80D to 85B + 81EF
	CC Index		80G to 80M
	CC Filter Number		200G to 200M
	Illuminance		2.5 lx to 610,000 lx, 0.23 FC to 56,500 FC
	Synch Speed	Flash Light	1s to 1/500s (in 1, 1/2 or 1/3 stops) plus 1/75, 1/80, 1/90, 1/100, 1/200, 1/400
	Preset No.	Digital Mode	19
		Film Mode	19
	Dot Matrix Display		8 user-adjustable characters
	Radio Triggering	Channel	CH1 to 32 (C-500R only)
		Quad-triggering Zone	A, B, C, or D (C-500R only)
Operating Temperature Range			–10 to 50°C (14°F to 122°F)
Storage Temperature Range			–20 to 60°C (–4° F to 140°F
Power			Two AA 1.5V batteries (Alkaline, Manganese, Lithium, Nickel, NiCd and NiMh)
Dimensions			2.4w × 6.2h × 1.1w in (62w × 159h × 28d mm)
Weight			C-500: 7.8 oz (220g) with batteries; C-500R: 8.1 oz (230g) with batteries
Standard Accessories			Soft case, strap, synchro terminal cap, operating manual, quick guide, 2 AA dry cell alkaline batteries
Main Functions			Color temperature measurement, illuminance measurement, custom settings, preset white balance/ color compensation, memory function (color/illumination contrast comparison), battery power indicator, auto power off, auto EL backlight, jog wheel lock, tripod socket, wireless radio triggering (C-500R)

SEKONIC®

8 Westchester Plaza
Elmsford, NY 10523
T 914 347 3300
F 914 347 3309
Sekonic.com