

SEKONIC

L-508 *Cine* Zoom Master OPERATING MANUAL

Operating Manual for L-508 CINE is complete with
L-508 Operating Manual
L-508Cine Operating Manual

L-508Cine Operating Manual

Thank you for purchasing L-508Cine meter. This operating manual gives you additional information to L-508 Operating Manual. Please read the L-508 Operating Manual for basic operation before you start to use your L-508Cine. This manual exclusively describes specialized features and operations in Cine mode for L508Cine. While in Still mode, you can select standard functions for Still pictures identical to L-508's functions.

L-508Cine Specialized Features


The L-508 Cine has additional features to L-508 which are useful for motion picture, video, theatre, industrial lighting and many other applications.

- Cine mode and Still mode  page 1


L-508Cine has Cine mode and Still mode, which can be alternated with the DIP switch located in the battery chamber. In Cine mode, you can select special features such as Foot Candle/Lux or Foot Lambert readout and Shutter angle change.

- Foot Candle or Lux or Foot Lambert (Cine mode only)  page 1


When cine mode is selected, you can select Foot Candle readout or Lux readout in incident mode or Foot Lambert in reflected mode.

- Shutter Angle Settings (Cine mode only)  page 3

You can select a shutter angle setting from 5° to 270° in 5° step and obtain compensated readout without additional calculation.

- Expanded Cine Speed Settings (Cine/Still mode)  page 4


The wide range of time settings from 1 f/s to 1,000 f/s can meet from framing pictures to high speed filming as well as video applications.

- Filter Compensation (Cine/Still mode)  page 4


You can select one of the 7 major filter combinations and obtain compensated readouts.

- Measurement Lock (Cine/Still mode)  page 5

When Measurement Lock is activated, the last readings and f/s (frames per second) setting will be protected from accidental change.

- Low range f/stop readout (Cine/Still Mode)  page 5

The f/stop range, f/0.5~f/90 – digital in 1/10 step, f/0.5~f/45 – analog in ½ step, can meet low light shootings required for measurement and memory functions.

- Independent Exposure Compensation (Cine/Still mode)  page 5

Exposure compensation can be made in incident or reflected modes separately for personal ISO adjustment or user calibration.

- Maximum 5 memories (Cine/Still mode)

Up to 5 readings are memorized on the f/stop analog scale

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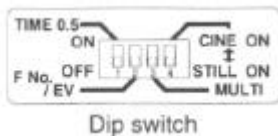
L-508 Cine BASIC OPERATION (Additional operation to L-508)

1. Cine mode and Still mode

L-508Cine has Cine and Still modes which are selectable,. In Cine mode, Foot Candle/Lux/Foot Lambert readouts and Shutter Angle Setting are available in addition to the functions for still photography for ambient light. In Still mode, standard functions for still photography are available for ambient light and flash light.

How to switch Cine mode or Still mode.

1. Remove the Battery cover latch.
2. Slide the DIP switch #4 to "CINE ON" position.



Cine mode - Incident mode

When the Cine mode and Incident mode is selected, the following measuring modes will be available. To select each mode, turn the **Set/change** dial while holding down the **MODE** button.

FC

Foot Candle



Foot Candle

FC + T/F

FC: Foot Candle

T: Shutter speeds or Cine speeds (Frames per second)

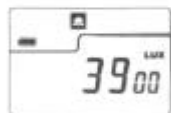
F: F/stop, dot on analog scale



Foot Candle + T/F

LUX

Lux



LUX

LUX + T/F

Lux

T: Shutter speeds or Cine speeds (Frames per second)

F: F/stop, dot on analog scale



LUX + T/F

1. Cine mode and Still mode

T + F (Shutter speeds priority)

T: Shutter speeds or Cine speeds (Frames per second)

F: F/stop in digital and dot on analog scale



T + F

EV + T/F

EV

T: Shutter speeds or Cine speeds (Frames per second)

F: F/stop, dot on analog scale

To display "EV+T/F" the DIP switch "F/No./ EV" should be on position.



EV + T/F

Cine mode - Shot reflected mode

When the Cine mode and Spot reflected mode is selected, the following measuring modes will be available. To select each mode, turn the **Set/change** dial while hold down the **MODE** button.

FL

FL: Foot Lambert



Foot Lambert

FL+T/F

FL: Foot Lambert

T: Shutter speeds or Cine speeds (Frames per second)

F: F/stop, dot on analog scale



Foot Lambert + T/F

T + F (Shutter speeds priority)

T: Shutter speeds or Cine speeds (Frames per second)

F: F/stop in digital and dot on analog scale



T + F

EV + T/F

EV

T: Shutter speeds or Cine speeds (Frames per second)

F: F/stop, dot on analog scale

To display "EV+T/F" the DIP switch "F/No./ EV" should be on position.



EV + T/F

Still mode

When the Still mode is selected, the same measuring modes available on L508 can be selected.

To select each mode, turn the **Set/change** dial while hold down the **MODE** button. Please refer to the L-508 instructions "Setting Measuring Mode" for further instructions.

2. Setting DIP switches (Cine/Still mode)

Special features are selected with the DIP switches inside the battery compartment. You can customize the L-508Cine by activating desired functions.

DIP switch assignment

DIP switch	Descriptions when the DIP switches are "ON" positions.	Factory settings
1 TIME0.5	Setting half shutter speed	OFF
2 F No./EV	Selecting F/stop priority measurement and EV readout. F/stop priority measurement is effective only in Still mode.	OFF
3 MULTI	Selecting Multiple flash function. Multiple flash function is effective only in Still mode.	OFF
4 CINE	Selecting CINE mode.	ON
STILL	Selecting Still mode.	OFF

3. Selecting Shutter Angles (Cine mode)

1. Hold down the **MODE** button and the **ISO2** button, and the display will be like this. The **Ang** is displayed with a shutter angle. The default setting angle is 180°. At this setting, **Ang** is not visible.



Default 180°

2. Turn the **Set/change** dial to obtain desired shutter angle. You can select a shutter angle from 5° to 270° in 5° step. In this example, 90° is selected.



90°

3. Release the **MODE** button and the **ISO2** button, and the display returns to normal readout display. When the default setting is changed, the **Ang** will appear on the center of the LCD.



Note:

Shutter angle settings can be changed only when a cine speed is displayed.

4. Setting Cine Speeds (Cine/Still mode)

- Turn the **Set/change** dial to select the desired cine speed. Cine speeds are displayed after 1/8000, 1/200, 1/400 and the unit is in frames per second (f/s.). The following cine speeds will be displayed:
 1, 2, 3, 4, 6, 8, 12, 16, 18, 24, 25, 30, 32, 36, 40, 48, 50, 60, 64, 72, 75, 90, 96, 100, 120, 125, 128, 150, 200, 240, 250, 256, 300, 360, 375, 500, 625, 750, 1,000 frames per second.

5. Filter Compensation (Cine/Still mode)

- Hold the **ISO2** button and turn the **Set/change** dial to select the symbol representing the desired filter number.
- The seven different symbols for filter numbers are displayed after ISO8000. The symbol and the filter compensated readout are displayed while holding down the **ISO2** button. The example drawings right are "85-" or "n9-" symbol is selected.



See the Filter Conversion table below.

Symbols on LCD	85-	n3-	n6-	n9-	A3-	A6-	A9-
Filter No.	85	ND3	ND6	ND9	85ND3	85ND6	85ND9
Exposure Compensation	-0.7 (-2/3)	-1	-2	-3	-1.7 (-1 2/3)	-2.7 (-2 2/3)	-3.7 (-3 2/3)

6. Measurement Lock and Measurement Lock Off (Cine/Still mode)

1. Hold down the **MODE** button and **ISO** button and “Loc” will appear to indicate that the Measurement is locked.

The last measurement is held until the lock is released, even if the **Set/change** dial is accidentally moved.



2. To release the Measurement lock, perform the same operation for the Measurement lock. Hold down the **MODE** button and **ISO** button and “Off” will appear to indicate that the Measurement lock is released.



7. F/stop analog/digital range

The ranges of the f/stops displayed:

F/stop on the analog scale: f/0.5 to f/45 in 1/2 step


F/stop digital: f/0.5 to f/90 in 1/10 step

8. Exposure Compensation (Cine/Still mode)

L-508Cine is calibrated accurately to Sekonic standard and no further correction of the meter is required. However, if you want to change the exposure index for your specific requirements, the L-508Cine can be adjusted in precise 1/10 step in a +/- 9.9 EV independently in Incident or Reflected mode. It is recommended that the correction should be made after your taking sufficient number of test in actual photographic conditions and evaluating the results.

1. Select either Incident mode or Reflected mode with the **Incident/Reflected Selector** according to the mode you want to make correction.
2. Hold down the **ISO** button and **ISO2** button simultaneously, and turn the **Set/change** dial.
3. The **1/2** will appear on the upper right part of the LCD with the decimal numbers. The exposure compensation will change in +/- 0.1EV steps up to +/- 9.9EV.
 - Turning the dial counterclockwise produces a higher reading resulting underexposing when taking a photograph.

- Turning the dial clockwise produces a lower reading resulting overexposing when taking photograph.

The  mark remains on the LCD if you change the exposure index from the original Sekonic standard value.

Note:

In case you want to manually calibrate the reflected measurement of an 18 per cent gray card to exactly match an incident measurement, use the Flat diffuser (Lumisphere down position) for best results in calibration.

TECHNICAL DATA

Meter Type

- Type : Multi-function design meter with CINE mode
- Incident : 270° swivel head with dual function retractable incident lumisphere
- Reflected : Variable 1° to 4° parallax-free spot viewfinder
- Light Receptors : 2-Silicon photo diodes (incident and reflected)
- Metering modes
- Ambient light : Incident light EV-2 to EV 19.9 (in 0.1 steps)
- Shutter priority metering
- EV metering value
- Flash : With synchro cord (cumulative, non-cumulative)
- Without synchro cord (cumulative, non-cumulative)
- Measuring Range at ISO 100
- Ambient/Incident : EV(-)2 to EV 19.9
- Ambient/Spot : EV 3 to EV 19.9
- Flash/Incident : F/1.0 to f/90 +0.9
- Flash/Spot : F/5.6 to f/90 +0.9
- Calibration Constant
- Incident light metering : Lumisphere C=340 Flat diffuser C=250
- Reflected light metering : K=12.5

Display Ranges

- Film speeds : ISO 3 to ISO 8000
- Time : 1/8000 second to 1800 seconds
- Cine speeds (f/s) : 1, 2, 3, 4, 6, 8, 12, 16, 18, 24, 25, 30, 32, 36, 40, 48, 50, 60, 64, 72, 75, 90, 96, 100, 120, 125, 128, 150, 200, 240, 250, 256, 300, 360, 375, 500, 625, 750, 1000
- F/stop : F/0.5 to f/90 + 0.9, 1 /10 stops
- EV : (-)EV9.9 to EV 36.1, 1/10 stops
- Foot-candle : 0.1 to 99,000 (9,900 X 10)
- Lux : 0.63 to 94,000 (9,400 X 10)
- Foot Lambert : 3.4 to 98,000 (9,800 X 10)

Function

- Memory function : 5 f/stop readings on analog scale
- Light evaluating function : Averaging, brightness difference, Dual ISO settings
- Multiple Flash function : Up to 9 flash readings

Shutter angle settings	: 5° to 270° at 5° steps + 144° and 172°
Filter compensation	: 85, ND3, ND6, ND9, 85ND3, 85ND6, 85ND9
Measurement lock	: Measurement is locked with Set/change dial.
Auto shut-off	: 20 minutes
Auto illumination	: EV6 and under for 20 sec.
Exposure index correction	: EV \pm 9.9 for incident and reflected independently
Battery Power Indicator	: With a symbol in 3 status
Tripod socket	: 1/4 "

Others

Repeat accuracy	: EV(+/-) 1/10 or less
Power source	: 1AA penlight 1.5V battery (alkaline, manganese or lithium)
All-weather feature	: JIS standard water resistance class 4, splash-proof type
Weight	: 240 g (8.5 ounces)
Dimensions	: 84 X 156 X 40 mm (3.3" X 6.1" X 1.6")
Standard accessories	: Neck cord, Soft case, Viewfinder cap
Optional accessories	: Booster and attachments Mini probe Dual sync cord Pocket gray card
Operating temperature range:	(-)10°C to 50° C
Storage temperature range	: (-)20°C to 60°C

APPENDIX

Quick Guide to operate

F/stop; Foot Candle; LUX:

MODE + **Set/change** dial

Shutter Angle Change:

MODE + **ISO2** + **Set/change** dial

Filter Compensation:

ISO2 + **Set/change** dial

Exposure Compensation:

ISO + **ISO2** + **Set/change** dial

Measurement Lock:

MODE + **ISO**