

# ***SEKONIC***





*DIGICINEMATE*

## **L-308DC**

**Operating Manual**

## SAFETY PRECAUTIONS

This manual uses the following safety labels for  **WARNING** and  **CAUTION** that you must follow.

 <b>Warning</b>	Indicates hazards or unsafe practices that can result in severe personal injury or death.
 <b>Caution</b>	Indicates hazards or unsafe practices that can result in the personal injury or damage to your L-308DC exposure meter.
 <b>Note</b>	Indicates a caution or limitation that accompanies operation. Please read the note to avoid incorrect operation.
 <b>Reference</b>	Provides the reference information and related functions that are useful in operating the L-308DC. We recommend that you read these reference.

### **Warning**

- Please place in a location where an infant cannot reach and accidentally get the strap wrapped around his or her neck. There is danger of strangulation.
- Keep the Lumidisc and synchro terminal cap out of reach of young children, as swallowing such objects can cause suffocation.
- Never place batteries in fire, short, disassemble, heat or charge them. The batteries might break down, and cause an accident, injury or pollute the environment.

### **Caution**

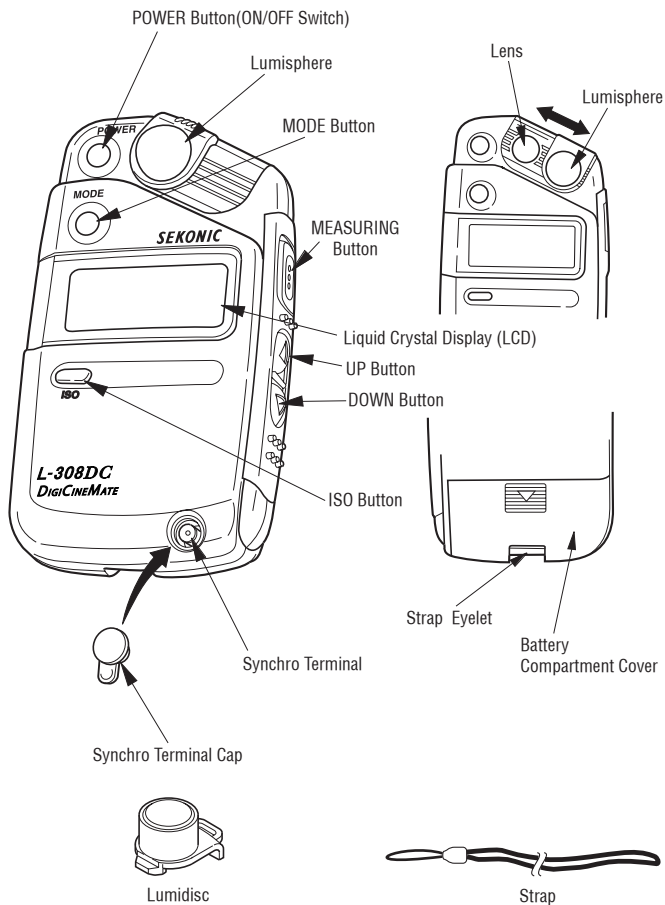
- There is a danger of electric shock if the meter is handled with wet hands, during rain, in areas splashed by water or where there is a lot of moisture, if you use cord flash mode. Also, such action may damage the product.
- Do not attempt to disassemble the product for modification or parts replacement. Refer servicing only to qualified and authorized personnel in case of product's malfunction.

## SAFETY PRECAUTIONS

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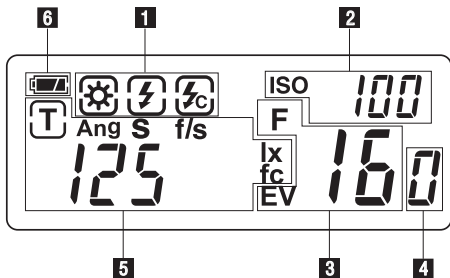
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# 1 Parts Designation



## 2 Explanation of the Liquid Crystal Display (LCD)

- \* For explanation purposes, the display illustrated here shows icons and readouts simultaneously. Actual display will never appear like this.

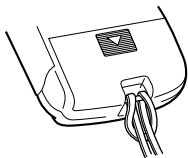


- 1** Measuring Mode icons (for PHOTO mode only)
  - Ambient (See page 16)
  - Auto Reset Cordless Flash (See page 21)
  - Cord Flash (See page 19)
- 2** ISO Display (See page 11)  
ISO Displays ISO Film setting.
- 3** Measurement value display
  - F** Appears when aperture value is displayed.
  - EV** Appears when using EV mode. (See page 17)
- 4** 0.1 step display  
Depending on set mode, this displays measurement value at 1/10 aperture or 1/10 EV. (See page 12)
- 5** Shutter speed, frames rate (f/s), shutter angle and Illuminance.
  - T** Appears when Shutter Speed Priority (T) mode. (See page 12, 16)
  - S** Appears when shutter speed is in full seconds. (See page 12, 16)
  - f/s** Appears when cine speed is set in frames per seconds. (See page 13, 14)
  - Ang** Appears when shutter angle is set to a value other than 180 degrees (CINE mode only. See page 15)
  - lx** Appears when Lux is selected (Selectable in Custom setting) (See page 13, 15)
  - fc** Appears when FC is selected (Selectable in Custom setting) (See page 13, 15)
- 6** Battery Power Indicator (See page 4)

### 3 Before Using

#### 1. Attach the strap

- 1) Attach the Strap by passing the small end loop through the strap eyelet and passing the other end of strap through it.



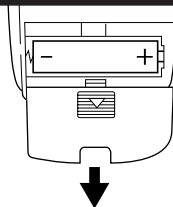
#### Warning

- Please place in a location where an infant cannot reach and accidentally get the strap wrapped around his or her neck. There is a danger of strangulation.

#### 2. Inserting the battery

- 1) Prepare a single AA battery.
- 2) Slide down the battery compartment cover in the direction of the arrow to remove.
- 3) Insert the battery observing the polarity with the +, - marks in the battery compartment.
- 4) Align battery compartment cover with main unit and slide shut.

Make sure that the cover is properly in place and closed.



#### Warning

- Never place batteries in fire, short, disassemble, heat or charge them. The batteries might break down, and cause an accident, injury or pollute the environment.

#### Note

- Please insert the battery minus “-” side first. When removing the battery, remove them plus “+” side first.
- Remove battery if meter is not used for an extended period. Batteries can leak and damage the exposure meter. Dispose of used batteries properly.

### 3. Power ON/OFF

Power ON : Press the POWER button.

Power OFF : Press and hold the POWER button in for 1 second or longer and the meter will turn off.

#### ! Note

- Please wait 3 seconds between repeated power on and off sessions.

#### Reference

- If the LCD screen shows no display, check for proper battery insertion (Pos/Neg positioning).
- All settings and measurements made during use are saved in memory even after the meter is powered off.

### 4. Checking battery capacity

When the meter is turned ON, the battery power indicator on the LCD is displayed.



(Displayed) Battery power level is good.



(Displayed) Battery power level is low. Have a spare battery ready.



(Blinking) Replace battery immediately.

#### Reference

- When the meter is turned ON and the LCD screen appears and immediately turns off, this indicates that the battery is depleted and should be replaced immediately. Having spare batteries on hand is recommended.
- When the meter is continuously used at room temperature, the battery life is as follows.(based on our testing condition)  
Manganese: 10 hours  
Alkaline: 20 hours
- Due to temperature and length of time stored, the battery included with this meter may have a shorter life.

### 3 Before Using

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#### 5. Replacing battery during operation

- 1) Always turn the power OFF before replacing the battery.
- 2) If an unexpected display appears on the LCD during battery replacement or measurement, ie. settings other than selected, or if the meter does not respond when a button is pressed, remove the battery, wait at least 10 seconds, and then re-install the battery.

#### 6. Auto Power OFF function

To conserve battery power, the meter will turn OFF about four minutes after last use.

##### Reference

- The settings and measured values remain stored in memory when the meter turns OFF either by Auto Power OFF or by pressing the POWER button. When the POWER button is pressed again the last settings are displayed.
- If the POWER button is pressed and held when the power is off, the meter will turn ON for about 1 minute, and then turn OFF automatically. (Battery capacity can be saved if the POWER button is pressed during transport and storage.)



## 4 Basic Operation

### 1. Incident and reflected light measurement

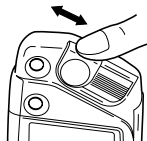
- 1) To set for either incident or reflected light operation, slide the Lumisphere mounting until it clicks.



Incident light mode



Reflected light mode



Setting operation

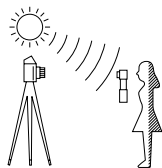
#### ! Note

- Always use the Lumisphere mounting for setting. Hand operation of the Lumisphere may cause damage.
- The Lumisphere is an important light receiving unit. Please handle with care and try not to mark or soil. Wipe Lumisphere with a dry soft cloth if it becomes dirty. Never use organic cleaners (like thinner or benzene) to clean Lumisphere.

### 2. Incident light measurement

Incident light measurement employs either the built-in Lumisphere or accessory Lumidisc. Measure with the lumisphere at the subject position aimed in the direction of the camera.

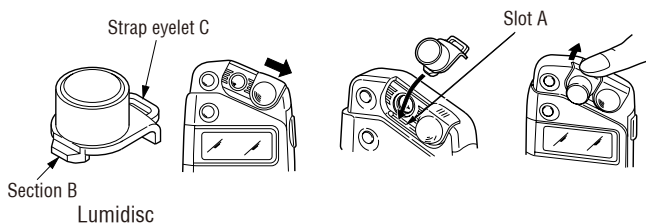
- 1) Using Lumisphere  
Lumisphere is used to measure light that illuminates people and buildings and other three-dimensional objects. Measurements are made at the subject position aimed in the direction of the camera lens.



## 4 Basic Operation

### 2) Using Lumidisc

The Lumidisc is used to measure light falling on green-screen walls, paintings or flat art. It is also used to adjust lighting ratios with multiple light sources (See page 24) or when taking Lux and Foot-candle measurements (See page 13, 15). To measure light with the Lumidisc, slide the Lumisphere mounting to the right (same as if measuring reflected light), then insert, at an angle, section B of the Lumidisc into slot A of the meter body and press down on the strap eyelet C to secure the Lumidisc.



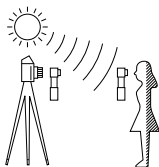
The Lumidisc is removed in reverse order to the mounting method. At this time the strap eyelet of the Lumidisc should be pulled up and away from the meter body.

#### ! Note

- Be sure to handle the Lumidisc correctly to prevent damage that may occur if mounting or removal is incorrect.
- When the Lumidisc is not being used, do not attach it at the right of the Lumisphere for storage. This will block light falling on the Lumisphere and affect the accuracy of the measurement.
- The Lumidisc is an important light receiving unit. Please handle with care and try not to mark or soil. Wipe Lumidisc with a dry soft cloth if it becomes dirty. Never use organic cleaners (like thinner or benzene) to clean Lumisphere.

### 3. Reflected light measurement

Reflected light measurements are made by pointing the L-308DC's metering lens toward the subject. Measurements are made from the camera position or within the same view as the camera lens.



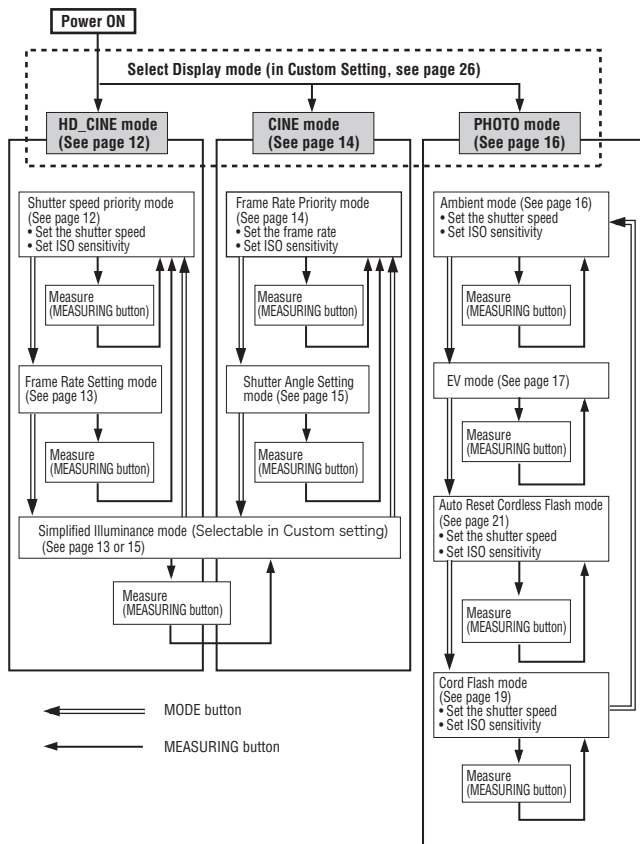
- 1) Measuring the brightness (luminance) of light reflected from the subject is useful when subjects cannot be approached, for measuring light sources (neon signs, etc.), and measuring highly reflective surfaces or translucent subjects (stained glass, etc.).
- 2) To take a reflected-light measurement, hold the meter in front of the camera and point the metering lens toward the part of the subject you want to measure. If the subject area is small, you may have to move the meter closer to the subject to measure it properly.

#### ! Note

- As the reflected-light lens has a 40-degree view, measurements made from the camera position will often result in an average of all subject tones.
- To measure only part of the object, move the meter as close as possible to the part of the subject you want to measure. Take care to position the meter so that it does not cast a shadow onto the part of the subject you want to measure.
- The lens is an important light receiving unit. Do not touch the lens or allow it to become dirty. Wipe the meter lens with a dry soft cloth if it becomes dirty. Never use organic cleaners (like thinner or benzene) to clean the meter lens.

## 4 Basic Operation

### 4. Basic Operation Flowchart



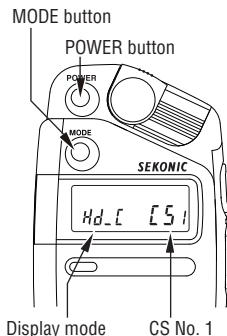
## 5. Select Display mode

Select the Display mode to fit your camera in custom setting. (See page 26)

**HD\_C** HD\_CINE mode  
(Default setting)

**CINE** CINE mode

**PHOTO** PHOTO mode



## 6. Select Measuring mode

The following Measuring modes in each Display mode are available.

- 1) Press the MODE button to select the Measuring mode. (See page 9)

HD\_CINE mode: (Ambient light only)

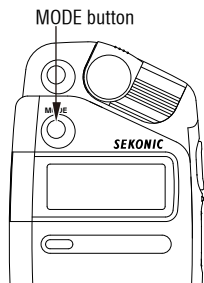
- Shutter speed priority mode
- Frame rate setting mode
- Simplified illuminance mode (Selectable in Custom setting)

CINE mode: (Ambient light only)

- Frame rate priority mode
- Shutter angle setting mode
- Simplified illuminance mode (Selectable in Custom setting)

PHOTO mode:

- Shutter speed priority mode (Ambient mode)
- EV mode (Ambient mode)
- Auto Reset Cordless Flash mode (shutter speed priority)
- Cord Flash mode (shutter speed priority)



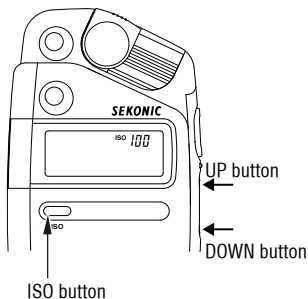
## 4 Basic Operation

### Reference

- Hold ISO button and press MODE button to return to the previous Measuring mode.
- Ambient light refers to continuous light like natural light (sunlight), tungsten lamps or fluorescent lamps.
- Flash light is a brief, intense burst of light made by electronic flash units or flash bulbs.

## 7. Setting ISO sensitivity

- 1) Hold down the ISO button and press either the UP button or DOWN button to select ISO sensitivity being used.
- 2) You can also change the ISO sensitivity after taking measurements. The new value is automatically displayed.



### Reference

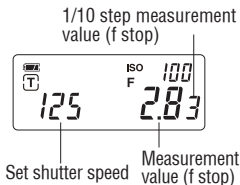
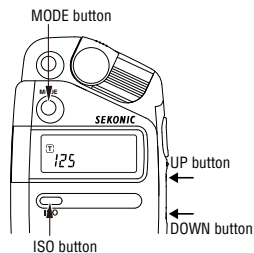
- Setting value will change consecutively if the UP button or DOWN button is depressed for one second or longer.

## 1. HD\_CINE Mode

Use this mode to obtain exposure settings when using DSLR and digital video cameras that record images using frame rate and shutter speed settings. When measurements are taken, the meter will indicate the aperture value required for proper exposure. This mode also enables taking Simplified Illuminance readings (Selectable in Custom setting). Refer to the custom setting to select the HD\_CINE mode (See page 26).

### 1-1. Taking measurements in Shutter Speed Priority mode

- 1) Press MODE button to select the **T** Shutter Speed Priority mode.
- 2) Hold ISO button and press UP or DOWN button to select the ISO sensitivity (See page 11)
- 3) Press the UP or DOWN button to set the desired shutter speed.
- 4) If necessary, set the frame rate in Frame Rate Setting mode (Default setting is 24fps. See page 13).
- 5) Press the Measuring button to take a measurement. Measurements will be taken continuously and displayed as aperture values as long as the button is pressed. Releasing the Measuring button will hold and display the last measurement value.



### Reference

- Use Custom Setting to display shutter speed values in full, 1/2 or 1/3 step increment (See page 26).
- Shutter speeds can be set from 1/8 to 1/8000 sec. A special grouping of commonly used Cine Shutter speeds will appear above 1/8000 second (1/24, 1/25, 1/30, 1/48, 1/50, 1/60, 1/96, 1/100, 1/120 sec.).
- Frame rate sets the lower limit to shutter speed. (i.e. If 30 f/s is set, shutter speeds are settable from 1/30 sec.)

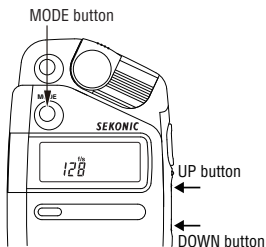
## 5 Measurement

### Reference

- After the measurement, the aperture value will be automatically adjusted to maintain proper exposure when changes in shutter speed and/or ISO are made.
- If "E.o"(over) or "E.u" (under) appears and blinks, the measurement cannot be made at the selected settings (See page 23).

### 1-2. Setting Frame Rates

- 1) Press MODE button to select frame rate display **f/s**.
- 2) Press UP or DOWN button to set the desired frame rate.
- 3) Press MEASURING button to return to **T** Shutter Speed Priority mode, and make a light measurement simultaneously.



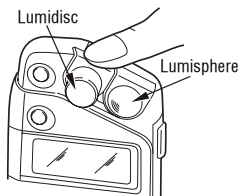
### Reference

- Available frame rates include 8, 12, 16, 18, 24, 25, 30, 32, 48, 50, 60, 64, 96, 100, 120 and 128 f/s.
- Frame rate sets the lower limit to shutter speed. (i.e. If 30 f/s is set, shutter speeds are settable from 1/30 sec.)

### 1-3. Taking measurements in Simplified Illuminance mode

Illuminance mode can be selected in Custom setting (See page 26).

- 1) Slide the Lumisphere all the way to the right and attach the accessory Lumidisc (See page 7).
- 2) Press MODE button to select the simplified illuminance mode.
- 3) Position the Lumidisc in front of and parallel to the area to be measured and press MEASURING button. Measurements will be taken continuously and displayed as illuminance values as long as the button is pressed. Releasing the MEASURING button will hold and display the last measurement value.



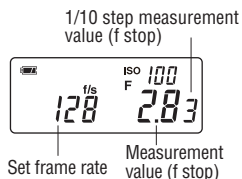
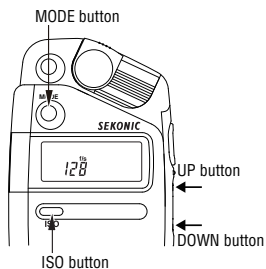


## 2. CINE Mode

Use this mode to obtain exposure settings when using film or digital motion-picture cameras that record images using frame rate and shutter angle settings. When measurements are taken, the meter will indicate the aperture value required for proper exposure. This mode also enables taking Simplified Illuminance readings (Selectable in Custom setting). Refer to the custom setting to select CINE mode (See page 26).

### 2-1. Taking measurements in Frame Rate Priority mode

- 1) Press MODE button to select **f/s** Frame rate priority mode.
- 2) Hold ISO button and press UP or DOWN button to select the ISO sensitivity (See page 11)
- 3) Press UP or DOWN button to set the desired frame rate.
- 4) If necessary, set shutter angle in Shutter Angle Setting mode (default setting is 180 degrees. See page 15).
- 5) Press the MEASURING button to take a measurement. Measurements will be taken continuously and displayed as aperture values as long as the button is pressed. Releasing the MEASURING button will hold and display the last measurement value.



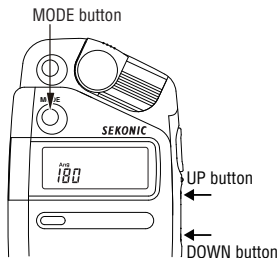
#### Reference

- Available frame rates include 8, 12, 16, 18, 24, 25, 30, 32, 48, 50, 60, 64, 96, 100, 120 and 128 f/s.
- After the measurement, the aperture value will be automatically adjusted to maintain proper exposure when changes in shutter speed and/or ISO are made.
- If "E.o"(over) or "E.u" (under) appears and blinks, the measurement cannot be made at the selected settings (See page 23).

## 5 Measurement

### 2-2. Setting Shutter Angles

- 1) Press MODE button to select the **Ang** Shutter Angle Setting mode.
- 2) Press UP or DOWN button to set the desired shutter angle.
- 3) Press MEASURING button to return to **f/s** Frame rate priority mode, and make a light measurement simultaneously.



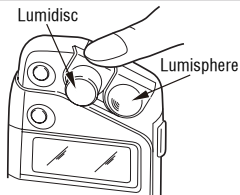
#### Reference

- Available Shutter angles include 45, 90, 180, 270 and 360 degrees.

### 2-3. Taking measurements in Simplified illuminance mode

Illuminance mode can be selected in Custom setting (See page 26).

- 1) Slide the Lumisphere all the way to the right and attach the accessory Lumidisc (See page 7).
- 2) Press MODE button to select the simplified illuminance mode.
- 3) Position the Lumidisc in front of and parallel to the area to be measured and press MEASURING button. Measurements will be taken continuously and displayed as illuminance values as long as the button is pressed. Releasing the MEASURING button will hold and display the last measurement value.



Measurement value (Lux)




Measurement value (Foot-Candle)

### 3. PHOTO Mode


Use this mode to obtain exposure settings when taking single images with adjustable film or digital cameras. Measuring mode choices include Ambient, Cordless Flash and Cord Flash. When measurements are taken, the meter will indicate the aperture value required for proper exposure.

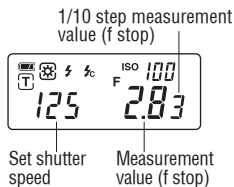
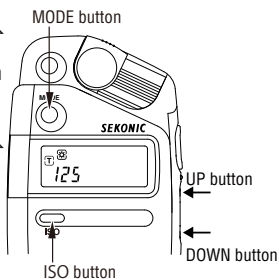
Refer to the custom setting to select the PHOTO mode (See page 26).

#### 3-1. Measuring Ambient Light

Press MODE button to select the  Ambient mode. Measurements in this mode are made in the Shutter Speed Priority mode or EV mode.

#### 3-1-1. Shutter Speed Priority mode

- 1) Press the MODE button to select the  Shutter Speed Priority mode.
- 2) Hold ISO button and press UP or DOWN button to select the ISO sensitivity (See page 11)
- 3) Press the UP button or DOWN button to set the desired shutter speed.
- 4) Press the MEASURING button to make a measurement. Measurements will be taken continuously and displayed as aperture values as long as the button is pressed. Releasing the MEASURING button will hold and display the last measurement value.



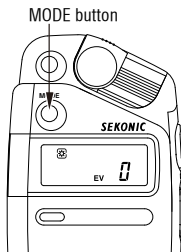
#### Reference

- Use Custom Setting to display shutter speed step increment in full, 1/2 or 1/3 step increment (See page 26).
- Shutter speed can be set from 60 sec. to 1/8000 sec.
- After the measurement, the aperture value will be automatically adjusted to maintain proper exposure when changes in shutter speed and/or ISO are made.
- If "E.o" (over) or "E.u" (under) appears and blinks, the measurement cannot be made at the selected settings (See page 23).

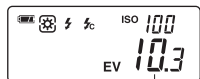
## 5 Measurement

### 3-1-2. EV mode

- 1) Press MODE button to select **EV** mode.



- 2) Press MEASURING button to make a measurement. Measurements will be taken continuously and displayed as EV values as long as the button is pressed. Releasing the MEASURING button will hold and display the last measurement value.



Measurement value (EV)

#### Reference

- EV (Exposure Value) provides an easy way to observe differences in light falling on a scene or subject when illuminated by a continuous light source. An increase of 1EV indicates a 100% increase or doubling of the light. Conversely, a decrease of 1EV indicates a decrease of 50% or halving of the light.

☆ Aperture Value &amp; Shutter Speed Value, EV Contrast Table

$$EV=AV+TV$$

(At ISO100)

		AV	0	1	2	3	4	5	6	7	8	9	10
		TV	1.0	1.4	2.0	2.8	4.0	5.6	8.0	11	16	22	32
0	1s	0	1	2	3	4	5	6	7	8	9	10	
1	1/2	1	2	3	4	5	6	7	8	9	10	11	
2	1/4	2	3	4	5	6	7	8	9	10	11	12	
3	1/8	3	4	5	6	7	8	9	10	11	12	13	
4	1/15	4	5	6	7	8	9	10	11	12	13	14	
5	1/30	5	6	7	8	9	10	11	12	13	14	15	
6	1/60	6	7	8	9	10	11	12	13	14	15	16	
7	1/125	7	8	9	10	11	12	13	14	15	16	17	
8	1/250	8	9	10	11	12	13	14	15	16	17	18	
9	1/500	9	10	11	12	13	14	15	16	17	18	19	
10	1/1000	10	11	12	13	14	15	16	17	18	19	20	

\* Horizontal axis is for aperture values and the vertical axis is for shutter speed values. The numbers on gray field are EV values.


## 5 Measurement

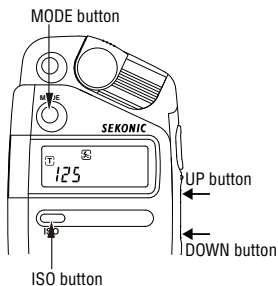
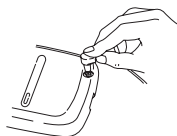
### 3-2. Measuring Electronic Flash

This measuring method includes the cord and cordless flash modes. When measurements are taken, the meter will indicate the aperture value required for proper exposure. The displayed value indicates the total amount of light, including flash light and ambient light, measured during the shutter speed time set.

#### 3-2-1. Cord Flash mode

This method assures proper synchronization with flash units. It is necessary for taking readings of M-Class flash bulbs.

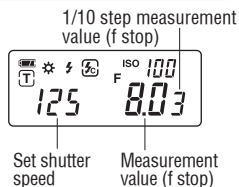
- 1) Connect the flash synchro cord to the synchro terminal on the light meter.
- 2) Press MODE button to select  cord flash mode.
- 3) Hold ISO button and press UP or DOWN button to select the ISO sensitivity (See page 11)
- 4) Press the UP button or the DOWN button to set the desired shutter speed.



#### ! Note

- Select a shutter speed range that will synchronize with your camera and flash system.

- 5) Press the MEASURING button to trigger the flash. The measurement value (f stop) will be displayed.



### Warning

- To avoid a danger of choking, please place Synchro terminal cap in a location where an infant cannot reach and accidentally swallow it. There is a danger of suffocation.

### Caution

- There is a danger of electric shock if the meter is handled with wet hands, during rain, in areas splashed by water or where there is a lot of moisture. This may also result in damage to the meter.

### Note

- The electronic flash unit may trigger when you connect the synchro cord or operate the POWER button.
- A cord-connected flash may not fire if the flash unit has an extremely low trigger voltage. If this happens, use the Auto Reset Cordless Flash mode (See page 21).


### Reference

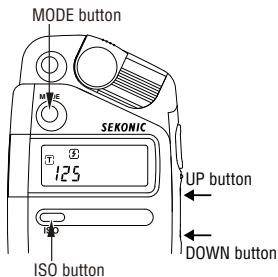
- Use Custom Setting to display shutter speed values in full, 1/2 or 1/3 values (See page 26).
- Shutter speed can be set from 1 sec. through to 1/500 sec. Special shutter speed settings will appear above 1/500 sec. (1/75, 1/80, 1/90 and 1/100 sec.)
- The displayed aperture value will be cancelled if the shutter speed is changed after a cord measurement is taken. In such cases please measure again.
- If the ISO setting is changed after measuring, the displayed aperture value will be automatically adjusted for the proper exposure.
- If “E.o”(over) or “E.u” (under) appears and blinks, the measurement cannot be made at the selected settings (See page 23).

## 5 Measurement

### 3-2-2. Auto Reset Cordless Flash mode


Use this mode when a Synchro cord is too short, not available or use of a cord is inconvenient.

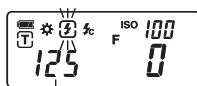
- 1) Press the MODE button to select to the  Auto reset cordless flash mode.
- 2) Hold ISO button and press UP or DOWN button to select the ISO sensitivity (See page 11)
- 3) Press the UP button or the DOWN button to set the desired shutter speed.



#### Note

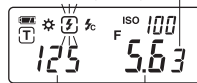
- Select a shutter speed range that will synchronize with your camera and flash system.

- 4) When the MEASURING button is pressed, the mode mark  will blink to indicate that the meter is ready to measure. The ready to measure mode will continue for approximately 90 seconds.
- 5) Fire the flash to make a measurement.



Set shutter speed


1/10 step measurement value (f stop)



Set shutter speed

Measurement value (f stop)

#### Reference

- If the 90 second period is exceeded and the blinking mark  stops, press the MEASURING button again to return to ready to measure status.



## 5. Measurement

### Note

- In mixed flash-ambient measurements, the meter may fail to detect the light if the flash brightness is 9EV lower than the ambient light. In this case, make measurements using the “Cord Flash mode” (See page 19).
- Sometimes, certain fluorescent lamps and special lighting can be mistaken for flash, and accidentally measured. In this case, make measurements using the “Cord Flash mode” (See page 19).
- Sudden, bright changes in light intensity, may be mistaken measured as flash. To avoid this, use “Cord Flash Mode” (See page 19).

### Reference

- The setting of shutter speed is same as “Cord Flash mode” (See page 19).
- After measuring, If the ISO is changed, the corresponding measured value (f stop value) will be displayed.
- If “E.o”(over) or “E.u” (under) appears and blinks, the measurement cannot be made at the selected settings (See page 23).

## 5 Measurement

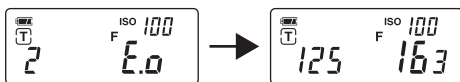
### 4. Out of Display Range / Measurement Range

#### 4-1. Out of Display Range

##### 4-1-1. When “E.o” (Exposure Over) appears on the display

If the measured value requires a display value above the maximum display range, “E.o” (Exposure over) will appear even though measured value is within the meter’s measuring range. In this case, make one of the following adjustments to display the measured value.

- 1) Press UP button to select a faster shutter speed setting.
- 2) Set lower ISO by pressing DOWN button while holding ISO button.
- 3) If possible, lower the output power of light source, and take another measurement.



Display: HD\_CINE mode

##### 4-1-2. When “E.u” (Exposure under) appears on the display

If the measured value requires a display value below the minimum display range, “E.u” (Exposure under) will appear even though measured value is within the meter’s measuring range. In this case, make one of the following adjustments to display the measured value.

- 1) Press DOWN button to select a slower shutter speed setting.
- 2) Set higher ISO by pressing UP button while holding ISO button.
- 3) If possible, raise the output power of light source, and take another measurement.

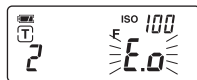


Display: HD\_CINE mode

#### 4-2. Out of Measurement Range

##### 4-2-1. When “E.o” (Exposure over) blinks on the display

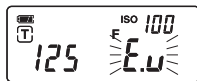
If the brightness exceeds the measuring range of the meter, “E.o” will blink to indicate that measurements cannot be made. In this case, if possible, adjust the flash output power or move away from the light source and take another measurement.



Display: HD\_CINE mode

**4-2-2. When “E.u” (Exposure under) blinks on the display**

If the darkness is beyond the measuring range of the meter, “E.u” will blink to indicate that measurements cannot be made. In this case, if possible, adjust the flash output power or move closer to the light source and take another measurement.



Display: HD\_CINE mode

**5. Measuring contrast of light**

This method is useful for setting brightness levels (ratios) of key, line, hair, and eye lights for cinematography applications or evaluating studio lighting for Photo applications. It is also useful to check the evenness of illumination across a subject area or background such as a green screen.

- 1) Mount the Lumidisc accessory (see page 7).
- 2) Turn ON just the main light source. Point the Lumidisc toward the main light source from the subject position and take a measurement.
- 3) Next turn ON just the secondary light source. Point the Lumidisc at the secondary light source and take a measurement.
- 4) Determine the luminance ratio (contrast ratio) using the difference of measuring values of the main light source and the secondary light source.

EV Difference of Measuring Value	Contrast Ratio
1	2 : 1
1.5	3 : 1
2	4 : 1
3	8 : 1
4	16 : 1
5	32 : 1

**Reference**

- To determine exposure after adjusting lights, turn ON both main light source and secondary light source, then take a measurement with the Lumisphere aimed in the direction of camera's lens axis.

# 6 Advanced Functions

## 1. Calibration compensation function

This meter has been calibrated to Sekonic standards. However, compensation may be necessary to calibrate the meter to camera specifications or to match the display to another exposure meter. Calibration compensation can be made in precise 1/10 step increments in a +/-1.0 EV range.

- 1) Set the camera Display mode (HD CINE, CINE or PHOTO) in advance.

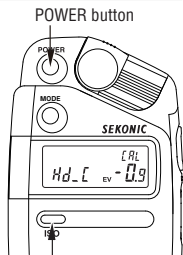
### Reference

- Calibration compensation can be set independently in each Display mode. Select the Display mode in advance in the custom setting function. (see page 26)

- 2) To enter the calibration compensation mode, hold the ISO button and press the POWER button to turn the meter ON .

“CAL” will appear at the upper right of the LCD. The Display mode will appear at the lower left of the LCD. The current compensation amount will appear at the lower right of display. (Default setting is “0.0”)

- 3) Select the compensation amount by pressing the UP or DOWN button.



ISO button  
Calibration compensation mode



Selected Display mode      Compensation amount

### ! Note

- Plus compensation results in the increased exposure (the image becomes brighter), and minus compensation results in the decreased exposure (the image becomes darker).
- Calibration compensation should be made after sufficient testing of the camera or film in use indicates the necessity.

- 4) Press POWER button to exit Calibration compensation mode.

## 2. Custom setting function

Use these settings to customize meter operations and displays to fit your camera and metering requirements.

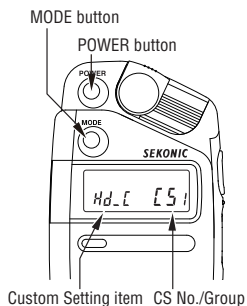
CS number	Custom setting group	Custom setting item		
CS1	Display mode	HD_CINE mode "Hd_C" (*1)	CINE mode "CINE"	PHOTO mode "PHOTO"
CS2	Increments of aperture and shutter speed	Full Step "1.0" (*1)	1/2 Step "0.5"	1/3 Step "0.3"
CS3	Simplified illuminance display (*2)	No Display "NONE" (*1)	Lux "lx"	Foot-Candle "fc"

\*1 Default settings.

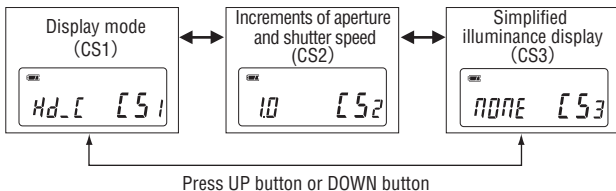
\*2 Simplified illuminance (Lux or Foot-Candle) is not displayed in PHOTO mode.

- 1) To enter the custom setting mode, hold the MODE button and then press the POWER button to turn the meter ON.

'CS' (custom setting) and setting number (1 to 3) will appear at the right of the display. The current custom setting will appear at the left side of the display.



- 2) Press the UP or DOWN button to select the desired custom setting group number.



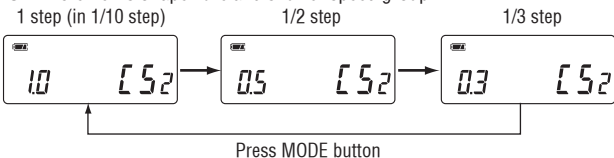
## 6 Advanced Functions

3) The Custom setting item will change each time the MODE button is pressed.

- Display mode group



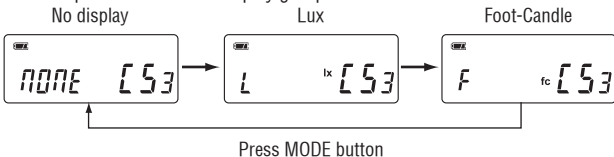
- Increments of aperture and shutter speed group



**! Note**

- The 1/10 step increment will not be displayed when 1/2 stop or 1/3 stop is set.
- When using EV mode in PHOTO mode, the 1/10 step increment is displayed whichever increment is set.

- Simplified illuminance display group



**! Note**

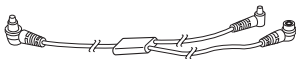
- Foot-Candle display is available only for export models intended for use outside Japan.
- Illuminance will be displayed in HD\_CINE mode or CINE mode ONLY ( Not displayed in PHOTO mode).

4) Press POWER button to exit Custom setting mode.

## 7 Accessories

- **Synchro cord (Sold Separately)**

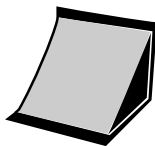
This is a five-meter long cord with three plugs. An exposure meter, a camera, and a flash can all be connected at the same time. This is convenient when measurements are made, because it is not necessary to plug and unplug the synchro cord. Also one side of synchro cord has a lock feature to make sure connection with the meter.



- **18% Gray Card (Sold Separately)**

18% gray card with cover (110 x 102mm, 4 1/4" x 3 1/3"), folds to 70 x 102mm, 2 3/4" x 4 3/4", and fits in a shirt pocket.

Use this for proper reflected-light measurements of mostly bright (white) or dark (black) subjects.



# 8 Technical Data

Type	● Digital exposure meter for ambient and flash light	
Light receiving method	● Incident light and reflected light	
Light receiving section	● Incident light: Lumisphere, Lumidisc ● Reflected light: Lens (light receiving angle of 40°)	
Light receptor	● Silicon photo diode	
Measurement system	● HD_CINE Mode ● CINE Mode ● PHOTO mode	• Ambient light: Shutter speed priority mode Frame rate setting mode Simplified illuminance mode • Ambient light: Frame rate priority mode Shutter angle setting mode Simplified illuminance mode • Ambient light: Shutter speed priority mode EV mode • Flash light: Cord flash mode Auto Reset cordless flash mode
Measurement range (ISO 100)	● Ambient light: EV0 to EV19.9 2.50lx to 190,000lx 0.23fc to 17,000fc F No. 1.0 to F No. 90.9	
Repeat accuracy	● ± 0.1 EV or less	
Calibration constant	● Incident light metering: C = 340 (Lumisphere), C =250 (Lumidisc) ● Reflected light metering: K = 12.5	
Display range	● ISO sensitivity: ISO 3 to 8000 (1/3 step) ● Shutter speed ● Frame rate (f/s) ● Shutter angle ● Aperture ● EV ● Out of display or measurement range	• HD_CINE Mode Ambient light 1/8 sec. to 1/8000 sec. (1, 1/2, 1/3 step) • PHOTO mode Ambient light 60 sec. to 1/8000 sec. (1, 1/2, 1/3 step) Flash light 1 sec. to 1/500 sec. (1, 1/2, 1/3 step) Others 1/75, 1/80, 1/90, 1/100 sec. • HD/ CINE Mode 8, 12, 16, 18, 24, 25,30, 32, 48,50, 60, 64, 96, 100, 120, 128 f/s • CINE Mode 45, 90, 180, 270, 360 degrees F No. 0.5 to F No. 90.9 (1, 1/2, 1/3 step) EV-6.0 to EV27.2 (1/10 step) E.u (Exposure Under) or E.o (Exposure Over) indication
Other functions	● Battery Power Indicator display ● Auto Power Off (approx. 4 min after last operation) ● Custom settings 3 item settings possible ● Calibration compensation -1.0 to +1.0EV (1/10 step)	
Battery used	● Type-AA 1.5-volt battery (alkaline, manganese, lithium, NiMH or Nickel types)	
Operating temperature range	● 0°C to +40°C	
Storage temperature range	● -20°C to +60°C	
Dimensions	● Approx 63(W) x 110(H) x 22(D) mm	
Weight	● Approx 95g (battery included)	
Standard accessories	● Soft case, strap, Lumidisc, soft case for Lumidisc, synchro terminal cap, type-AA 1.5-volt battery, Operating manual, Quick guide	

Features and specifications are subject to change without notice.



## 9 Safty Guide and Maintenance

### Note

- To avoid damage to meter, never drop or subject it to shock.
- Avoid storing meter in places with high temperature and/or humidity.
- Be careful excessive temperature changes that could cause humidity and internal condensation, resulting in malfunction.
- If the temperature of the meter drops to  $-10^{\circ}\text{C}$  or beyond, response of the LCD becomes extremely slow and displays are difficult to read. At temperatures between  $0$  and  $10^{\circ}\text{C}$  the LCD will become somewhat slower than normal but this does not hinder usage. Also, when the temperature exceeds  $50^{\circ}\text{C}$ , the LCD will turn black and will be hard to read. This will return to normal when the temperature returns to normal.
- Do not place the meter in direct sunlight during midsummer or near heaters, etc., as the temperature of the meter will rise beyond that of the air temperature. Be careful when using the meter in hot locations.
- Remove battery if meter is not used for an extended period. Batteries can leak and damage the exposure meter. Dispose of used batteries properly.

### Maintenance Notes

- Keep the Lumisphere, lens and Lumidisc clean and free from dust, foreign particles and scratches to keep accurate measurement.
- Wipe the L-308DC with a dry soft cloth if it becomes dirty. Never use organic cleaners (like thinner or benzene) to clean Lumisphere.





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