

SEKONIC

Flash Master L-358

Operating Manual



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Congratulations on your purchase of a Sekonic Flash Master L-358 Light Meter.

This meter provides a wide range of functions that correspond with most manufacturers camera settings in all formats, which will satisfy professionals as well as serious enthusiasts.

Its sealed housing and controls make it water and moisture resistant.

Yes, you can use it in the rain, but it is not an underwater meter.

Its large LCD display makes readings easy and lights up automatically in dark surroundings.

In order not to crowd the controls, four functions which are less frequently used, are confined to DIP switches, located in the battery compartment.

Because of its many features, the L-358 requires this rather extensive manual.

But since you will never use them all at the same time, once you have learned all about it, it is simple and its use will become second nature.

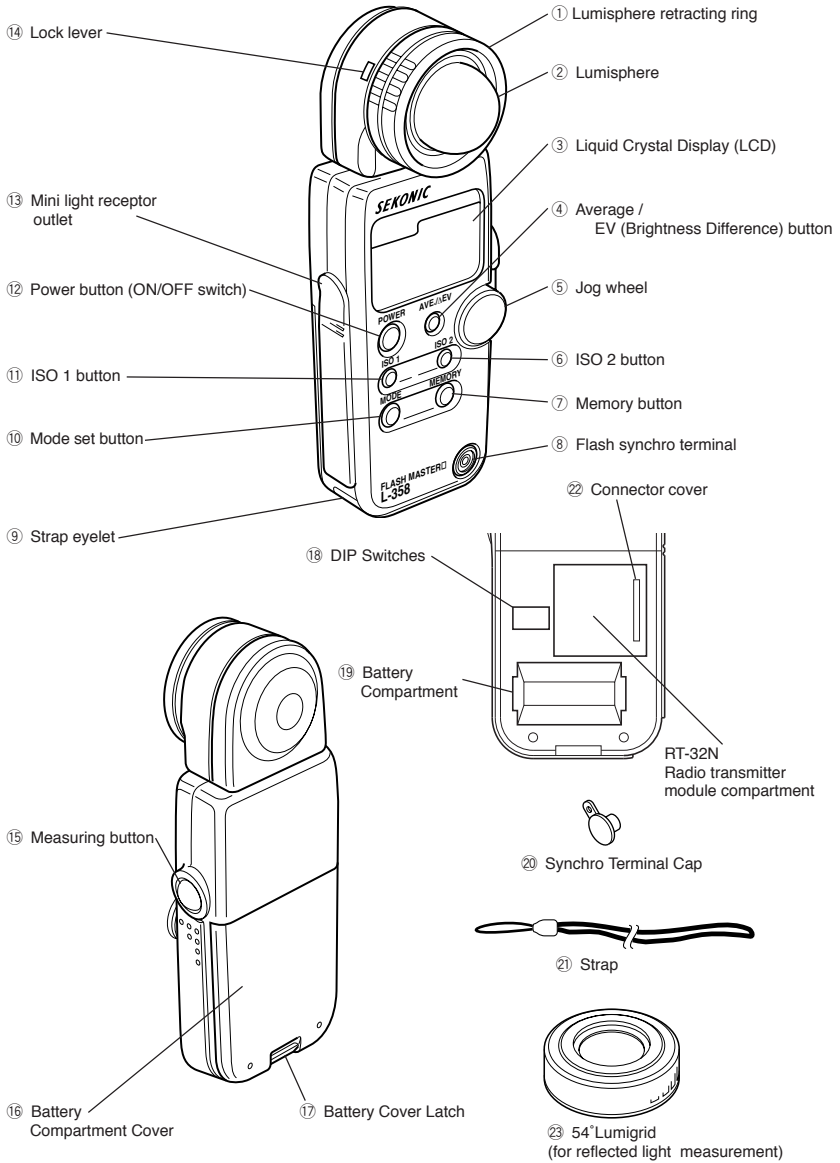
The Flash Master L-358 has undergone extensive quality controls at every step of manufacture. Please read this instruction manual thoroughly, to be able to take advantage of its many features and to obtain the long service life it is designed for.

Thank you for your confidence in Sekonic.

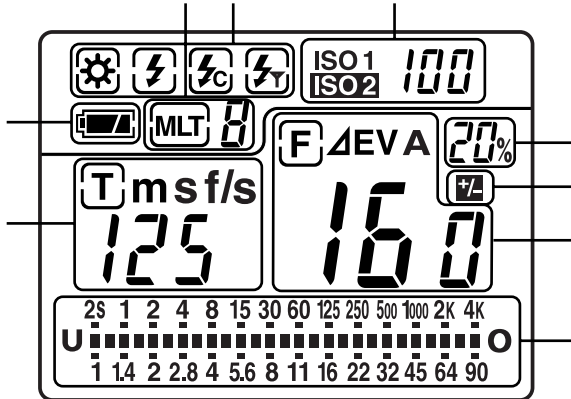
Table of Contents

1. Parts Designation	1
2. Explanation of the Liquid Crystal Display (LCD)	2-3
3. Before Using	4-6
1. Attach the strap	4
2. Inserting the battery	4
3. Checking battery capacity	4
4. Replacing battery during measurement or when using the memory function	5
5. Auto Power Off function	5
6. Setting main ISO film speed	5
7. Setting second ISO film speed (ISO 2)	5
8. Measurement Lock and Measurement Lock Off	6
4. Basic Operation	7-10
1. Setting measuring mode	7
2. Setting DIP switches	8
3. When set for incident light	9
4. When set for reflected light (spot metering)	10
5. Measurement	11-20
1. Measuring Ambient Light	11-14
1-1 Shutter Speed Priority mode	11
1-2 Aperture Priority mode	12
1-3 EV mode	13
1-4 Cinematography	14
2. Measuring Flash Light	15-22
2-1 Cord Flash mode	15-16
2-2 Auto Reset Cordless Flash mode	16-17
2-3 Cord Multiple Flash (cumulative) mode	18-19
2-4 Cordless multiple Flash (Cumulative) mode	19-20
6. Advanced Functions	21-32
1. Memory function	21
2. Averaging function	22
3. Brightness Difference function	23-24
4. How to use the L-358 as an incident Illuminance (LUX or FC) Meter	25
5. Compensating function	26
5-1 How to change Exposure compensation	26
5-2 How to change Calibration compensation	26
6. Flash analyzing measurement function	27
7. Wireless flash radio triggering function	28-30
7. Accessories	31-32
8. Technical Data	33-34
9. Safety Guide	35
10. Care and Maintenance	36

1. Parts Designation



2. Explanation of the Liquid Crystal Display



NOTE:

For explanation purposes, the display illustrated here shows all icons and readouts simultaneously. Actual display will never show as above.

Auto Electro-Luminescent Display (EL)

In low light (EV 6 or less), a green backlight will automatically illuminate the entire LCD. When using the Mini Light Receptor or a Booster (optional accessories) the LCD will be illuminated after measuring, regardless of the ambient light level.









The LCD will not be automatically illuminated during measuring, or in Cordless Flash mode.

The Electro-luminescent backlight will automatically turn off 20 seconds after last operation.

When using the spot viewfinder attachment (1°, 5° or 10° NP Finder) if the light level from the spot measurement is different from the light level when reading the LCD data, the backlight may not illuminate the display.

In this case, cover the spot viewfinder attachment with your hand while pressing the mode button to activate the backlight.

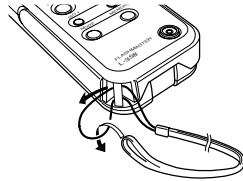
2. Explanation of the Liquid Crystal Display

- ① Measuring Mode Icons
 -  Ambient (see page 11)
 -  Auto-Reset Cordless Flash (see page 17)
 -  Cord Flash (see page 15)
 -  Wireless flash radio triggering mode (see page 30)
- ② ISO Display
 - ISO 1** Displays ISO film setting
 - ISO 2** Displays second ISO film setting when ISO 2 button is depressed
- ③ Flash Analyzing indicator
 - %** 0 % to 100% in 10% increments (percentage of flash in the total exposure)
- ④ +/- Compensation Indicator
 - ±** Appears when +/- Compensation is set
- ⑤ Digital aperture value, Aperture Priority, EV Brightness Difference, Average function, EV display
 - f/** Appears when in Aperture Priority (f/stop) mode (see page 12)
 - ΔEV** Appears when using brightness difference function (See Page 25)
 - A** Appears when using Averaging function (see page 24)
 - EV** Appears when using EV mode (see page 13)
- ⑥ Analog Scale
 - Displays marks at apertures or shutter speed indicating full or half step values for measurement, memory, average values
 - U** Appears when below display range
 -  Blinks when under exposed below measurement range
 - O** Appears when above display range
 -  Blinks when over exposed above measurement range
- ⑦ Shutter priority indicator, shutter speed display for still photography or frames per second (f/s) for cinematography
 - T** Appears when in Shutter Priority (T) mode (see page 11)
 - m** Appears when shutter speed is in minutes
 - s** Appears when shutter speed is in full seconds
 - f/s** Appears when cine speed is set in frames per second (see page 14)
- ⑧ Battery Power Indicator (see page 4)
- ⑨ Memory / Multiple Flash Indicator Display
 -  Appears when in Multi (cumulative) flash measurement mode and shows the cumulated number (see page 19)
 - m**  Appears when reading is memorized and shows the number in memory (see page 23)

3. Before Using

1. Attach the strap

Attach the Strap ⑫ by passing the small end loop through the eyelet ⑨ and passing the other end of strap through it.

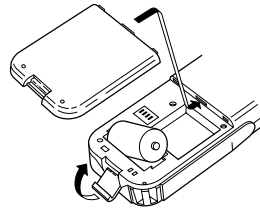


⚠ WARNING

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

2. Inserting the battery

1. Requires one 3.0 v CR123A lithium battery
2. Open the Battery compartment cover latch ⑰, and remove the Battery compartment cover ⑱.
3. Insert the battery, observing the polarity with the +, - marks in the battery chamber.
4. Align the tabs of the Battery compartment cover with the notches in the back of the meter, and press down to close the Battery cover latch.



NOTE:

- To prevent loss of All-weather seal, be careful that dirt does not get stuck on the rubber seal and that the seal is not damaged.
- Remove battery if meter is not used for an extended period. Batteries can leak and damage the exposure meter. Dispose of used batteries properly. If the LCD does not light, check that the battery capacity is sufficient, and check that the battery positive and negative terminals are not reversed.
- The meter has a connector for a plug-in radio transmitter module. Do not remove the connector cover unless you are installing the radio module, failure to do so could cause the electronic circuit board to be exposed to damaging static electricity.

3. Checking battery capacity

- When the Power button ⑫ is 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:

- We recommend you always have a spare battery on hand.
- If the liquid crystal display extinguishes immediately after the display appears when power is first applied, that is an indication that the battery is dead. Please promptly replace the battery.
- A 3 second pause between power on and off is recommended to avoid damage to the meter.

3. Before Using

4. Replacing battery during measurement or when using the memory function

1. Always turn the power OFF before replacing batteries. If batteries are removed with the power ON, measurements and settings in memory can no longer be recalled.
2. If after replacing the battery, or during measurements, strange screens (displays that have not been set) appear in the LCD, or nothing happens, no matter what button is pushed, remove the battery and wait at least ten seconds and then replace the battery. This allows the software to automatically reset.



WARNING:

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

5. Auto Power Off function

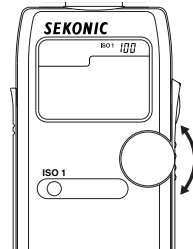
1. To conserve battery power, the meter will turn off about twenty minutes after last use.
2. Whether the Auto Power Saving feature turns the power off or the Power button (7) is pressed, the settings and measured values remain stored in memory. When the Power button is pressed again the last settings are displayed.

Reference:

- The power shuts off automatically after 1 minute when the power button is pressed and held.

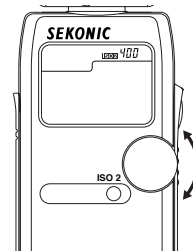
6. Setting main ISO film speed

1. Hold down the ISO1 button (1) and turn Jog wheel (5) to select ISO film speed for the film being used.
2. You can also change the ISO film speed after taking measurements. The new value is automatically displayed.



7. Setting second ISO film speed

1. This feature is useful when using a second film with different ISO film speed, using Polaroid™ proofing film, or for exposure correction (when using a filter, close-up photography, etc.).
2. Hold down the ISO 2 button (6) and turn Jog wheel to select ISO film speed of the film being used.
3. Once this is set, after taking a measurement, the measured value for the second film speed will be displayed when the ISO 2 button is depressed.
4. You can also change the second ISO film speed after taking measurements. The new value is automatically displayed.

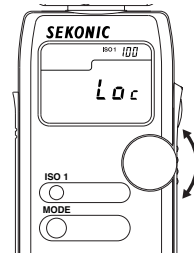


3. Before Using

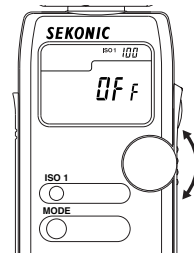
8. Measurement Lock and Measurement Lock Off

1. Hold down the Mode set button ⑩ and ISO1 button ⑪ and "LOC" will appear to indicate that the settings are locked. The last measurement is held until the lock is released, even if the Jog wheel ⑤ is accidentally moved.

However, if the measurement button ⑮ is pressed, a new measurement is displayed with the same locked settings.



2. To release the Measurement lock, perform the same operation for the Measurement lock, Hold down the Mode set and ISO1 button and "Off" will appear to indicate that the Measurement lock is released.



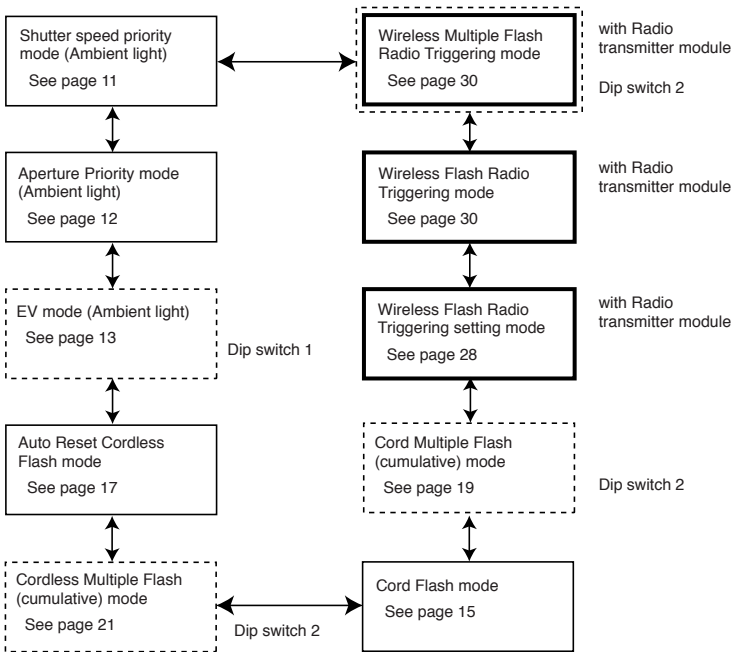
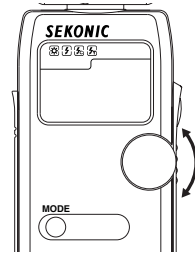
Reference:

- If the power supply is OFF or Auto OFF when in the locked position, the dial lock function will continue operating when the power supply is turned on again.

4. Basic Operation

1. Setting measuring mode

1. Hold down the Mode set button ⑩ and turn the Jog wheel ⑤ to select the desired mode. The mode switching sequence is shown in the chart below:



2. Modes enclosed in dotted lines [] can only be selected when the respective DIP switch is in ON position (see page 8).
3. Modes enclosed in [] lines can only be selected when Optional Radio Transmitter Module is installed.

4. Basic Operation

2. Setting DIP Switches

1. Switches for setting modes that are used infrequently are housed in the Battery compartment of the meter. Select the mode you want prior to beginning measurements.
2. The DIP switches can be set by sliding the DIP switch ⑬ for the mode you want to select in the ON position.

EV settings

When DIP switch 1 is turned on, EV exposure reading is possible (ambient light)

Multi settings

When DIP switch 2 is turned on, multiple flash (cumulative) mode is possible.

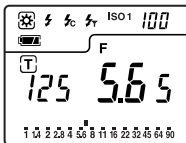
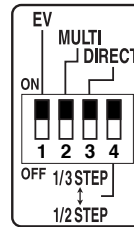
Direct settings

If DIP switch 3 is on, it is possible to display the shutter speed and Aperture in the stop that are set by DIP switch 4.

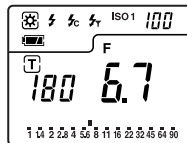
If turned off, shutter speed is displayed in full stop and the Aperture is displayed in 1/10 stop.

Stop settings

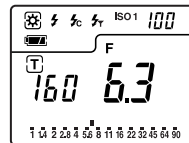
The combination of shutter speed and Aperture is displayed in 1/2 stop when DIP switch 4 is off and in 1/3 stop when it is on.



T : full stop
F : 1/10 stop



T : 1/2 stop
F : 1/2 stop

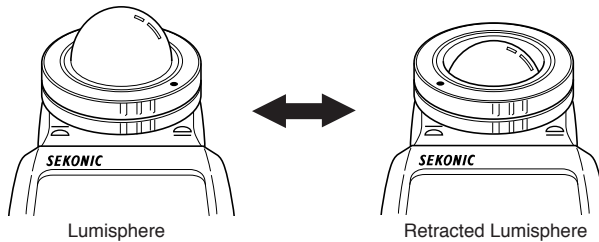


T : 1/3 stop
F : 1/3 stop

4. Basic Operation

3. When set for incident light

1. Incident light measurements can be performed with the lumisphere fully extended or in the retracted position. You can switch between Lumisphere in the up position or retracted position by firmly rotating the Lumisphere retracting ring ① until it clicks.



2. When the Lumisphere is raised
This is used to photograph people, buildings, and other three dimensional objects. Measurements are basically made by the method of measuring with the lumisphere aimed in the camera direction (more precisely, in the direction of the light axis of the lens) at the position of the subject.
3. When the Lumisphere is lowered (flat diffuser function)
This is used to photograph manuscripts, paintings or other flat copy. It can also be used for measuring illumination levels (see page 25), or brightness difference (see page 23).

NOTE:

- If the device is used with the Lumisphere retracting ring in a middle position, distributed light quality will change, and suitable measurements cannot be made.
- Do not push the Lumisphere down manually.
- If the lumisphere becomes soiled, wipe it with a soft, dry cloth. Organic solutions (paint thinner, benzene, etc.) must not be used under any circumstances.

4. Basic Operation

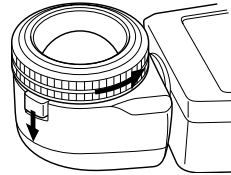
4. When set for reflected light

- This method measures the brightness (luminance) of the light reflected from the subject. It is useful for distant objects such as landscapes, when you cannot go to the position of the subject, or for metering subjects that generate light (neon signs, etc.), highly reflective surfaces or translucent subjects (stained glass, etc.).

< Using the lumigrad > (Receiving Angle 54°)

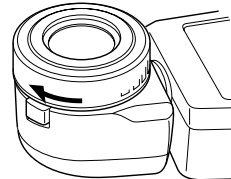
1. Remove the Lumisphere

The lumisphere unit is removed by holding both the upper and lower sections of Lumisphere retracting ring ① and turning it counterclockwise while pushing the Lock lever ⑭ downward.



2. Mount the lumigrad

To mount Lumigrad ⑬, align the mount/removal indicator on the Lumigrad with the Δ mark and, while pressing it, turn it in the clockwise direction and secure it in place by raising the Lock lever until it clicks into place.



3. Take measurements by aiming the lumigrad precisely at the area of the subject to be measured from the position or direction of the camera.
4. Follow the same procedure to mount the lumisphere.

CAUTION:

- Be sure to avoid touching the light receiving section when mounting or removing the lumisphere or lumigrad.

< Using the viewfinder > 1°, 5° and 10° Non-Parallax Spot-Finder (NP finder)

The Non-Parallax Spot-Finder mounted on the meter, measures the light of the exact area you are viewing. Since the Spot-finder is measuring the reflected light (light reflecting off a subject), measurements should be taken at the camera position.

5. Measurement

1. Measuring ambient light

In this measurement mode, we have the choice of shutter priority mode, aperture priority mode and EV mode. Hold down the Mode set button ⑩ and turn the Jog wheel ⑤ to select ambient measurement mode ⑧.

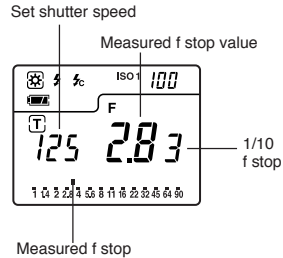
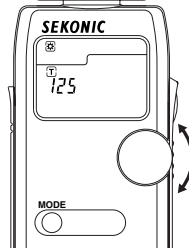
1-1 Shutter Speed Priority mode

1. Hold down the Mode set button and turn the Jog wheel to select Shutter Speed Priority mode ⑦.
2. Turn the Jog wheel to set the desired shutter speed.
3. Press the Measuring button ⑮ to make a measurement. Release the Measuring button to complete the measurement. The measured value (aperture value) at that time will be displayed.

While pressing the Measuring button, the meter measures continuously until it is released.

NOTE:

- The LCD panel displays 1/10 stop only when Dip switches 3 and 4 are in off position.



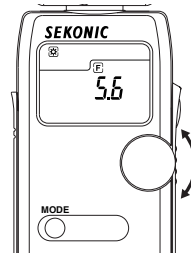
Reference:

- It is possible to switch between full, 1/2 and 1/3 shutter speed stop by setting DIP switches 3 and 4.
- You can set shutter speeds from 30 minutes to 1/8000 seconds. After 1/8000 the shutter speeds of 1/200 and 1/400 can be set.
- After measurement, the F stop value corresponding to the shutter speed is displayed when the shutter speed is changed.
- The measured aperture value is displayed either full or half stop increments on the analog scale. (1/3 stop increments is not possible.)
- "E.u" (Exposure under) or "E.o" (Exposure over) appears when the combination of shutter speed and aperture are outside the display range. Changing the shutter speed or aperture with the Jog wheel will allow you to find a combination that is possible.
- If the "E.u" or "E.o" readout blinks, this indicates that the light level is beyond the measurement range of the light meter. Adjust a lighting in this case.

5. Measurement

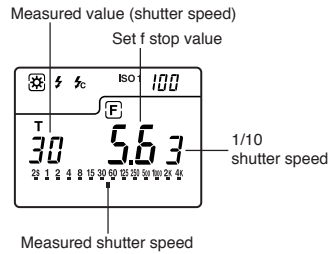
1-2 Aperture Priority mode

1. Hold down the Mode set button **10** and turn the Jog wheel **5** to select aperture priority mode **F**.
2. Turn the Jog wheel to set the desired f stop value.



3. Press the Measuring button **15** to make a measurement. Release the Measuring button to complete the measurement. The measured value (shutter speed) at the time will be displayed.

While pressing the Measuring button, the meter measures continuously until it is released.



Reference:

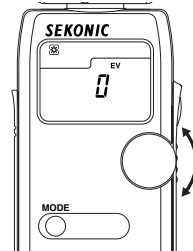
- It is possible to switch between full, 1/2 or 1/3 F stop values by setting DIP switches 3 and 4.
- You can set f stops from F1.0 to F90 (full f stops)
- The measured shutter speed value is displayed either full or half stop increments on the analog scale. (1/3 stop increments is not possible.)
- After measurement, the shutter speed corresponding to the F stop is displayed when the F stop is changed.

5. Measurement

1-3 EV mode

Open the Battery compartment cover ⑯ and slide the EV DIP switch (see page 8) to the ON position.

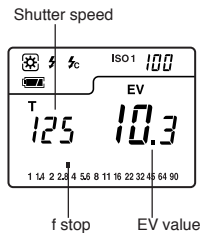
1. Hold down the Mode set button ⑩ and turn the Jog wheel ⑤ to select EV value mode.



2. Press the Measuring button ⑮ to make a measurement. Release the Measuring button to complete the measurement. The measured value (EV value) at that time will be displayed.

At the same time, the shutter speed will be displayed in the digital display area, and the corresponding f stop will be displayed in the analog display area.

While pressing the measuring button, the meter measures continuously until it is released.



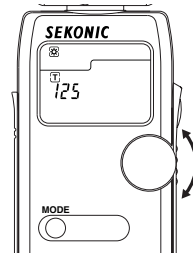
Reference:

- “E.u” (Exposure under) or “E.o” (Exposure over) appears when the combination of shutter speed and aperture are outside the display range. Changing the shutter speed or aperture with the Jog wheel will allow you to find a combination that is possible.
If the “E.u” or “E.o” readout blinks, this indicates that the light level is beyond the measurement range of the light meter.

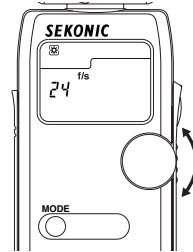
5. Measurement

1-4 Cinematography

1. Hold down the Mode set button (10) and turn the Jog wheel (5) to select ambient light shutter speed priority mode (T).



2. Turn the Jog wheel (5) to select the Cine Speed for the camera that will be used. Cine Speed are displayed after 1/8000, 1/200, 1/400 and the unit is in frames per second (f/s). The following Cine Speeds will display: 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 and 360 f/s.



3. The shutter angle that these speeds are based on, is 180 degrees. For other angles make the following ISO film speed corrections.

Shutter open angle	Amount of ISO film speed correction
160 degrees	-1/3
220 degrees	+1/3

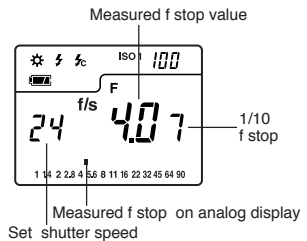
Example of correction value

-1/3: Decrease ISO film speed by 1/3 stop, example: ISO 100 -1/3 stop = ISO 80

+1/3: Increase ISO film speed by 1/3 stop, example: ISO 100 +1/3 stop = ISO 125

4. Press the Measuring button (15) to make a measurement. Release the Measuring button to complete the measurement. The measured value (f stop value) will be displayed.

While pressing the measuring button, the meter measures continuously until it is released.



Reference:

- The measured aperture value is displayed either full or half stop increments on the analog scale. (1/3 stop increments is not possible.)

5. Measurement

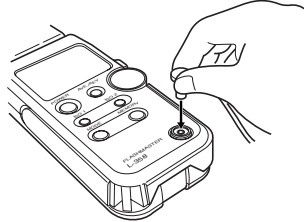
2. Measuring flash light

This method of measurement can be done in the following modes; with cord, without cord, multiple flash with cord, multiple flash without cord and Wireless flash radio triggering mode (with optional radio transmitter module). When Measuring flash light, the shutter speed and F stop value (value combining ambient light and flash light: total amount of light) are displayed. The ambient light and flash light are each displayed as separate values together with the total amount of light on the analog scale. In addition, the ratio of flash light to the total amount of light is displayed at that time as a value in 10% steps. The flash reading is displayed as a blinking mark above the analog scale. (See page 27 for details)

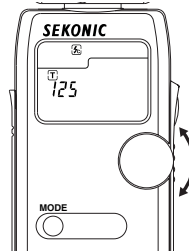
2-1 Cord Flash mode

The most positive method to assure proper synchronization and measurement of flash units. Connect the meter to the flash with a synchronization cord. Be sure to replace Synchro terminal cap ⑳ after your measurement.

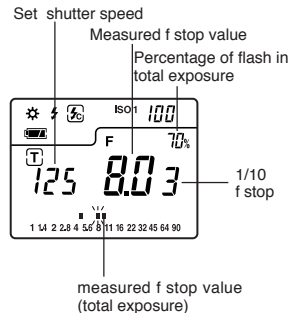
1. Connect the flash synchro cord to the Synchro terminal ⑧ on the exposure meter.



2. Hold down the Mode set button ⑩ and turn the Jog wheel ⑤ to select cord flash mode ③.
3. Turn the Jog wheel to set shutter speed. When setting shutter speed, first check the settings to confirm that they correspond to the settings on the camera.



4. Press the Measuring button ⑮ to trigger the flash. The measured value (f stop value) will be displayed.



5. Measurement

CAUTION:

- There is 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 synchronized flash.
- Under such conditions, it is recommended that you use the meter in the cordless flash mode or wireless flash radio triggering mode, and keep the Synchro terminal cap in place.

NOTE:




- The electronic flash unit may fire when you connect the Synchro cord or operate the POWER Switch.
- For flash units with extremely low electric trigger voltage, the flash may not fire. In this case, make measurements in the cordless flash mode or wireless flash radio triggering mode.

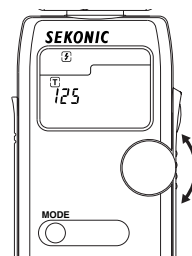
Reference:

- It is possible to switch between full, 1/2 and 1/3 shutter speed stop by setting DIP switch 3 and 4.
- The shutter speed can be set from 30 minutes to 1/1000 of a second. After 1/1000 sec, the meter can be set at the following intermediate speeds: 1/75, 1/80, 1/90, 1/100, 1/200, or 1/400.
- If the film speed is changed after the measurement is taken, the new converted measured value (f stop value) will be displayed.
- After measurement, the F stop value corresponding to the shutter speed is displayed when the shutter speed is changed.
- "E.u" (Exposure under) or "E.o" (Exposure over) appears when the combination of shutter speed and aperture are outside the display range. Change the shutter speed with the Jog wheel and take measurements again.
- If the "E.u" or "E.o" readout blinks, this indicates that the light level is beyond the measurement range of the light meter.




2-2 Auto-reset cordless flash mode

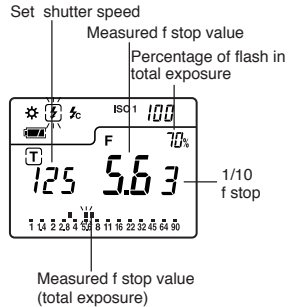
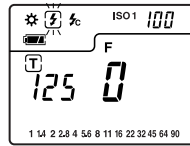
Measurements are made by the meter receiving the light from the flash. This measurement mode is used when the Synchro cord will not reach because of the distance between the flash and meter or when use of the Synchro cord is inconvenient.

1. Hold down the Mode set button  and turn the Jog wheel  to set Auto-reset Cordless Flash mode .
2. Turn the Jog wheel to set shutter speed. When setting shutter speed, first check the settings to confirm that they correspond to the settings available on the camera.



5. Measurement

3. When the Measuring button  is pressed, the mode mark  will blink and the meter is ready to measure. The ready to measure mode will continue for approximately 90 seconds. During this time, fire the flash and make a measurement.
4. If the 90 second period is exceeded and the blinking mark stops, press the Measuring button again to return to ready to measure.
5. When the light from the flash is received, the measured value (f stop) is displayed. Even after measurement, the mode mark  continues to blink and the meter is in ready state and new measurement can be made. (Auto-reset function)



NOTES:

- When firing a flash, if the flash brightness is 9EV lower than the ambient light, the meter may fail to detect the light. In this case, make measurements using the Cord flash mode.
- Rapid start fluorescent lamps and special lighting are sometimes mistaken for flash, and accidentally measured. In this case, make measurements using the Cord flash mode.

Reference:

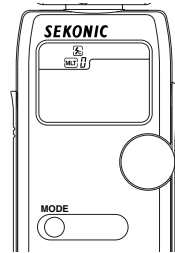
- After measurement, the F stop value corresponding to the shutter speed is displayed when the shutter speed is changed.
- Setting the shutter speed is similar to the previous instruction (see page 15) of "Cord flash mode" of section 2-1.
- A new converted value is displayed when the film speed is changed after taking the measurement.
- Readings outside the display range or beyond the measuring range are similar to the previous instruction (see page 16) of "Cord Flash mode" of section 2-1.

5. Measurement

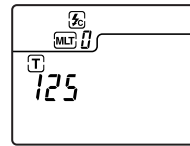
2-3 Cord multiple flash (cumulative) mode

These measurements are used when the light generated by the flash is inadequate for proper exposure. The repeated flash pops can be accumulated until the desired aperture is displayed. The cumulative number is infinite. Only one digit is displayed if the cumulative number is ten or more. Display returns 0 (0=10, 1=11, 2=12 etc.)

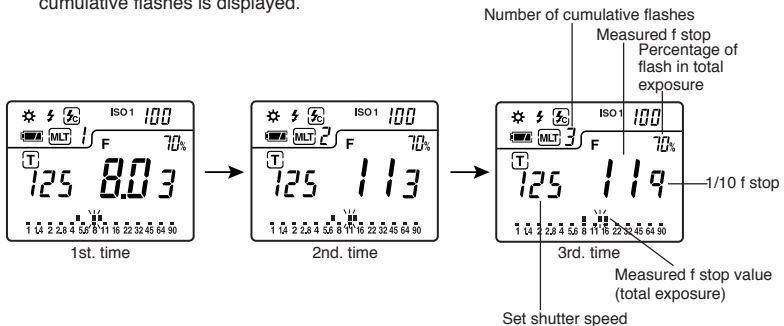
- Slide DIP switch 2 to MULTI (see page 8) to the ON position.
Hold down the Mode set button (10) and turn the Jog wheel (5) to select cord multiple flash (cumulative) mode (6) (MLT).



- Turn the Jog wheel (5) to set shutter speed. When setting shutter speed, first check the settings to confirm that they correspond to the settings available on the camera.
- Connect the Flash synchro cord to the meter's synchro terminal (8).



- Press the Measuring button (15) to trigger a flash. The measured f stop value at that time will be displayed. Each time this is repeated, the accumulated f stop value and the number of cumulative flashes is displayed.



- To clear the cumulative value, hold down Mode set button and ISO2 button (6) or switch to another mode by turning the Jog wheel while pressing the mode set button.

5. Measurement

CAUTION:

- There is 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. Under such conditions, it is recommended that you use the meter in the Cordless flash mode or wireless flash radio triggering mode, and keep the Synchro terminal cap in place.

NOTE:




- The flash unit may flash when you connect the synchro cord or operate the POWER switch.
- When firing a flash to take measurements, check the camera's synchronizing range and set the proper shutter speed.
- For flash units with low electric trigger voltage, the flash may not fire. In this case, make measurements in Cordless flash mode or wireless flash radio triggering mode (see page 21).

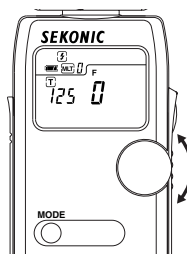
Reference:

- Setting the shutter speed is similar to the previous instruction (see page 15) .
- Readings outside the display range or beyond the measuring range is similar to the previous instruction (see page 16) .
- If the film speed is changed after the measurement is taken, the new converted measured value (f stop value) will be displayed.

2-4 Cordless flash (cumulative) mode

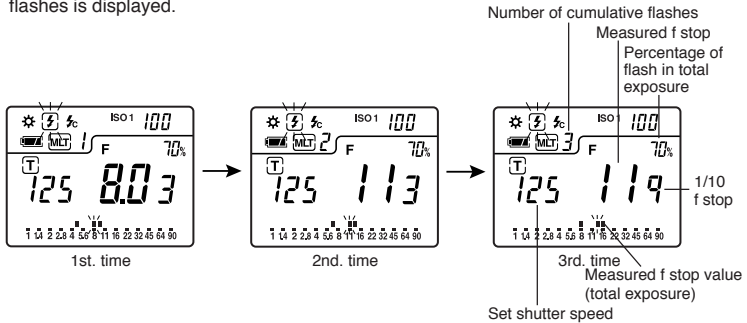
These measurements are used when the light generated by the flash is inadequate for proper exposure. The repeated flash pops can be accumulated until the desired aperture is displayed. The cumulative number is infinite. Only one digit is displayed if the cumulative number is ten or more. Display returns 0 (0=10, 1=11, 2=12 etc.)

1. Slide DIP switch 2 to MULTI (see page 8) to the ON position.
2. Hold down the Mode set button  and turn the Jog wheel  to select cordless multiple flash (cumulative) mode . Turn the Jog wheel to set shutter speed. When setting shutter speed, first change the settings to confirm that they correspond to the settings available on the camera.



5. Measurement

- When the light from the flash is received, the measured value (f stop) is displayed. Each time this is repeated, the accumulated value for the aperture and the number of cumulative flashes is displayed.



- The ready to measure mode will be displayed for approximately 90 seconds. If the 90 second period is exceeded and the blinking mark stops, press the Measuring button (15) again. The measured value (f stop) of the previous time reverts to 0 and the meter is in ready to measure mode.

NOTE:

- When firing a flash, if the flash brightness is 9EV lower than the ambient light, the meter may fail to detect the light. In this case, make measurements using cord flash mode.
- Rapid start fluorescent lamps and special lighting are sometimes mistaken for flash, and accidentally measured. In this case, make measurements using cord flash mode.

Reference:

- Setting the shutter speed is similar to the previous instruction (see page 15) of "Cord flash mode" of Section 2-1.
- Readings outside the display range or beyond the measuring range is similar to the previous instruction (see page 16).

6. Advanced Functions

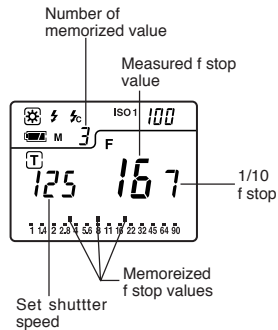
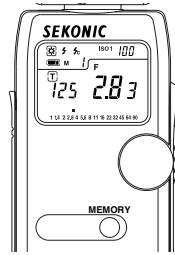
1. Memory function

This meter can store up to nine measured values in memory. This feature can be used in the following modes: ambient light (shutter speed priority, aperture priority and EV), flash (with, without cord and wireless flash radio triggering).

1. Press the Measuring button ⑮ and take a measurement.
2. Press the Memory button ⑦ and store the measured value in memory.
The number of values in memory is displayed on the LCD. The memorized value is displayed on the analog scale. By repeating this operation, up to nine values can be stored in memory.
3. Memory can be cleared by holding down MODE set button ⑩ and ISO 2 button ⑥ or changing measurement mode.

4. Memory Recall

When the Jog wheel ⑩ is rotated while both Memory button ⑤ and the Mode set button ⑩ are held down together, the measured value stored in the memory is displayed along with the memory number. When any previous stored value is recalled with the exception of the last stored value, the "M" and number will blink.






NOTE:

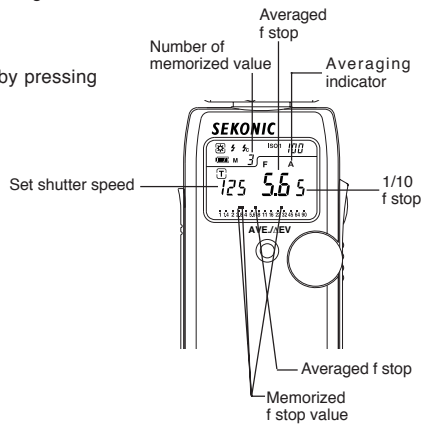
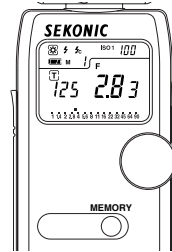
- The memory function cannot be used in "flash cumulative mode."
- Measured values for ten times and over will be displayed but cannot be stored in memory.

6. Advanced Functions

2. Averaging function

This function displays the average of two to nine of the values in memory.

1. Press the Measuring button  and take a measurement.
2. Press the Memory button  and store the measured value in memory.
3. When the Ave/ Δ EV button  is pressed, an average value for up to nine measurements will be displayed on the LCD. The value in memory and the average values are displayed on the analog scale. An "A" appears in LCD to indicate this is an average.
4. The average mode can be canceled by pressing the Ave/ Δ EV button.




6. Advanced Functions

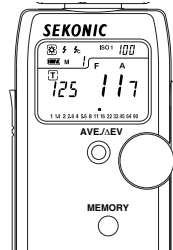
3. Brightness difference function

This function is useful for evaluating studio lighting and checking the evenness of the lighting set-up across the subject area.

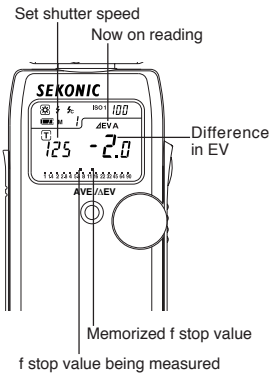
Take a measured value at a certain point as a standard value. The difference between the standard value and a new measured value is displayed as EV and the measurements on the analog scale.

Example of adjusting lights using brightness measurement with shutter speed priority mode of Incident light.

1. Turn the Lumisphere retracting ring ① to lower it to the  mark position.
2. Turn any secondary light source off. Point the Lumisphere ② toward the main light source, from the position of the subject and take a measurement. Press the Memory button ⑦ and store the value in memory.
3. Press the Average/ EV button ④ and display the "A" mark on the LCD indicating a standard value.



4. Turn the main lighting off. Now, point the Lumisphere toward the secondary light source. While the Measuring button ⑤ is depressed and held down, the indicated difference between the main and auxiliary light sources is displayed in EV values. At the same time, the standard value and a new measured value are displayed on the analog scale. A lighting ratio (contrast ratio) can be found in the scale below.



6. Advanced Functions

EV difference of	EV value	Contrast ratio
1		2 : 1
1.5		3 : 1
2		4 : 1
3		8 : 1
4		16 : 1



5. The Brightness Difference mode can be canceled by pressing the Ave/ EV button ④.

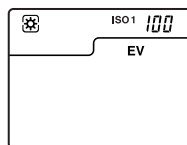
Reference:

- To determine exposure after adjusting lights, turn both main and secondary light sources on, raise the Lumisphere to the ☰ mark position, then take a reading along the camera light axis.
- This function can also be used for reflected light.

6. Advanced Functions

4. How to use the L358 as an incident illuminance (LUX or FC) meter

1. Turn the Lumisphere Retracting ring ① to lower it to the  mark position.
2. Make sure that any compensation (see page 28) is canceled (.
3. Set the meter to EV mode (DIP switch 1) and ISO 100.
4. Place meter parallel to the light source and take a measurement.
5. Convert the measured EV with a conversion table to find the brightness level.



EV value Lux conversion table

EV	Decimal places		EV	Decimal places	
	0	0.5		0	0.5
-2	0.63	0.88	9	1300	1800
-1	1.3	1.8	10	2600	3600
0	2.5	3.5	11	5100	7200
1	5.0	7.1	12	10000	14000
2	10	14	13	20000	29000
3	20	28	14	41000	58000
4	40	57	15	82000	120000
5	80	110	16	160000	230000
6	160	230	17	330000	460000
7	320	450	18	660000	930000
8	640	910	19	1300000	1900000

EV value Foot candle (FC) conversion table


EV	Decimal places		EV	Decimal places	
	0	0.5		0	0.5
-2	0.06	0.08	9	120	170
-1	0.12	0.16	10	240	340
0	0.23	0.33	11	480	670
1	0.46	0.66	12	950	1300
2	0.93	1.3	13	1900	2700
3	1.9	2.6	14	3800	5400
4	3.7	5.3	15	7600	11000
5	7.4	11	16	15000	22000
6	15	21	17	30000	43000
7	30	42	18	61000	86000
8	59	84	19	120000	170000

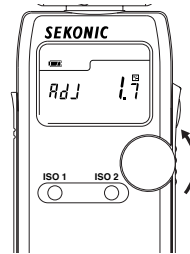
6. Advanced Functions


5. Compensating function

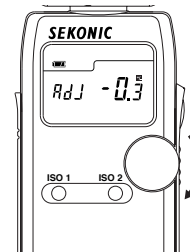
5-1 How to change Exposure compensation

Exposure compensation can be made in precise 1/10 step increments in a +/- 9.9 EV range. Exposure compensation may be desired when requiring compensation for filters, bellows extension, etc.

1. Making a plus compensation will result in underexposing when taking a photograph. Hold the ISO 1 button (1) and the ISO 2 button (6) and turn the Jog wheel (5) counter clockwise. The  will appear on the upper right part of the LCD.



2. Making a minus compensation will result in overexposing when taking a photograph, Hold the ISO 1 button and the ISO 2 button and turn the Jog wheel clockwise. The  will appear on the upper right part of the LCD.





5-1 How to change Calibration compensation

Calibration compensation may be desired to match specific requirements or calibration to other light meters.

1. To enter the calibration setting of the meter it must first be turned off. Press the power button on while holding down the ISO 1 and ISO 2 buttons simultaneously; the screen will display CAL 0.0 (for calibration).
2. The calibration setting can be changed by rotating the Jog Wheel while pressing and holding down the ISO 1 and ISO 2 button simultaneously. A range of ± 1.0 EV in 1/10 stop increments is possible for calibration. The calibration setting is not displayed on the main screen once it is set.

NOTE:

- Make compensation after a sufficient number of test in actual photographic conditions, to suit your needs.
- Compensation effects every mode of the meter. If recalibration has been made for specific purpose do not forget to return to original zero settings.
- In Exposure compensation the  always appear on the LCD, while the  doesn't appear in Calibration compensation.

6. Advanced Functions

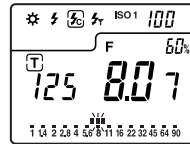
6. Flash analyzing measurement function

When measuring flash light, the shutter speed and F stop value (value combining ambient light and flash light: total amount of light) are displayed in the liquid crystal display and the ambient light and flash light are each displayed as separate values together with the total amount of light on the analog scale. In addition, the ratio of flash light to the total amount of light is displayed at that time as a value in 10% steps. It is possible to use this value for adjustments, for example, when photographing with a flash in a room illuminated by tungsten lamp light, to emphasize or weaken the tungsten lamp (ambient) light element (enhancing the flash light of the photograph) to match the photographer's intentions.

< Example >

If, under certain conditions, the flash light component is 60% and the tungsten light component is 40%, the display will be as indicated at the right.

Flash reading on the analog scale is blinking.

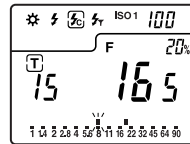


1. To emphasize the tungsten (ambient) light (to imbue the atmosphere with orange-colored tones)

To increase the ratio of tungsten light, use the Jog wheel ⑤ to change the shutter speed to a slower setting.

It is apparent that the flash light component is now 20%. The analog scale also shows the tungsten light component to be about 2.5 stop higher than the flash light component.

As a result, images on the film are expressed with orange tones that give life to the effect of the tungsten light.

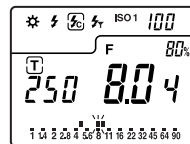


2. To reduce the effect of tungsten light (to realize a more natural atmosphere)

To decrease the ratio of tungsten light, use the Jog wheel to change the shutter speed to a faster setting.

It is apparent that the flash light component is now 80%. The analog scale also shows the flash light component to be about 1.5 stop higher than the ambient light component.

As a result, the images on the film are expressed in natural color tones.



The settings above are made by adjusting the tungsten (ambient) light by the shutter speed. It is also possible to modify the ratio by adjusting the flash light (when changing the distance between the flash and the subject or when changing the amount of light of the flash). When using this method, re-measure each time the flash light is adjusted.

6. Advanced Functions

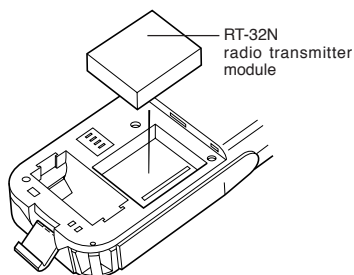
7. Wireless flash radio triggering function

With the radio transmitter module plugged into the meters radio compartment and a receiver (PocketWizard® products) connected to one or more electronic flash units, the meter provides a convenient system that enables one person working alone to measure flash output without the need of a sync cord. Pressing the measuring button simultaneously triggers the flash and measures the light.

The L-358 has 32 triggering channels with the RT-32N radio transmitter module (optional). Channels 1-16 provide single triggering, while channels 17-32 offer selective quad-triggering capability. Selecting one of channels (17-32) provides control of up to four additional Quad-triggering zones (A, B, C and D). Selecting or deselecting of zone lighting is possible with Quad-triggering zone. In order to trigger flash units set for Quad-triggering zone, the electronic flash unit must be connected to the PocketWizard MultiMax. With the PocketWizard Plus or Plus II triggering channels 1-4 can be selected.

< Example with PocketWizard 32 channels transceiver >

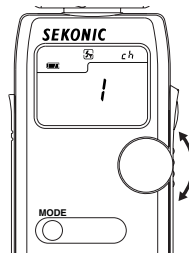
1. Open battery compartment cover ⑩, remove connector cover ⑫ and set the RT-32N radio transmitter module (optional) by aligning the connector with the pins.



⚠ CAUTION

- To prevent damage due to static electricity, release static electricity stored in your body by touching a metal object nearby (door knob, aluminum window frame, etc.) before touching the radio transmitter module.

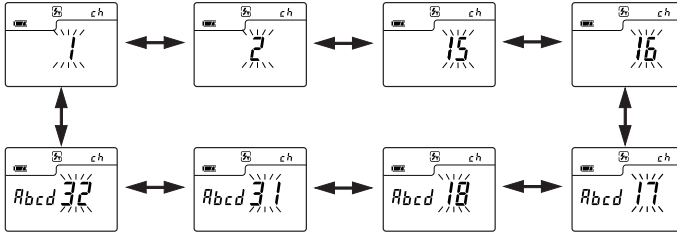
2. Switch to the Wireless flash radio triggering setting mode ⑬ by using Jog wheel ⑤ while pressing mode set button ⑩.



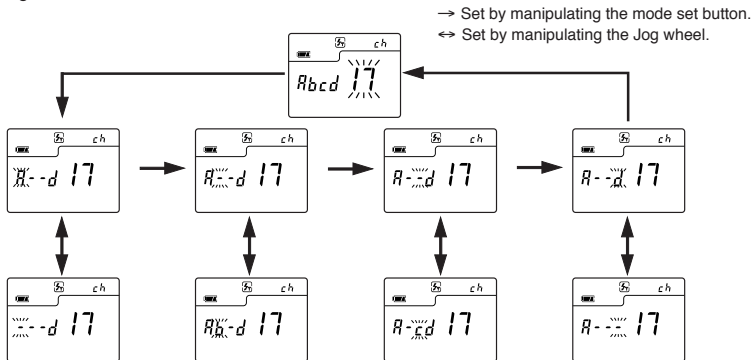
3. The set channel number will blink at this time. Turn the Jog wheel to set the channel setting.

6. Advanced Functions

4. In the Setting mode, "ch" appears on the ISO display area. At the same time, channel numbers (1 to 16 and 17 to 32) appear on the F stop area. When the channel number is 17 to 32, sub-channel (A, b, c and d) settings are displayed on the T indicator. In the absence of settings, "-" appears in the figures.



5. In sub-channel settings, after the channel is set to 17 to 32, the mode button is pressed. Following this, the 4th figure on the T (shutter speed) area blinks to indicate that settings may be made. Every time the mode button is pressed, the blink shifts from sub-channel No. : 4th figure → 3rd figure → 2nd figure → 1st figure → channel No., while permitting settings for each sub-channel. As the Jog wheel is rotated in this state, setting ("A, b, c and d" displayed) and resetting ("- " displayed) alternate. During this process, the indicator continues to blink to indicate the channel being set.



⚠ CAUTION

- When using quad channels 17-32, it is not possible to terminate this mode unless a sub-channel has been set (a, b, c or d is displayed).

6. Upon setting completion, the Wireless flash radio triggering mode or Wireless multiple flash radio triggering mode is selected using the Jog wheel while the mode set button is depressed. For the setting of measurements see page 16 of "Cord flash".
7. Confirm that the meter and the radio receiver are set to the same channel number. The flash unit will fire when the measurement button of the meter is pressed and measurements can be made at the same time.

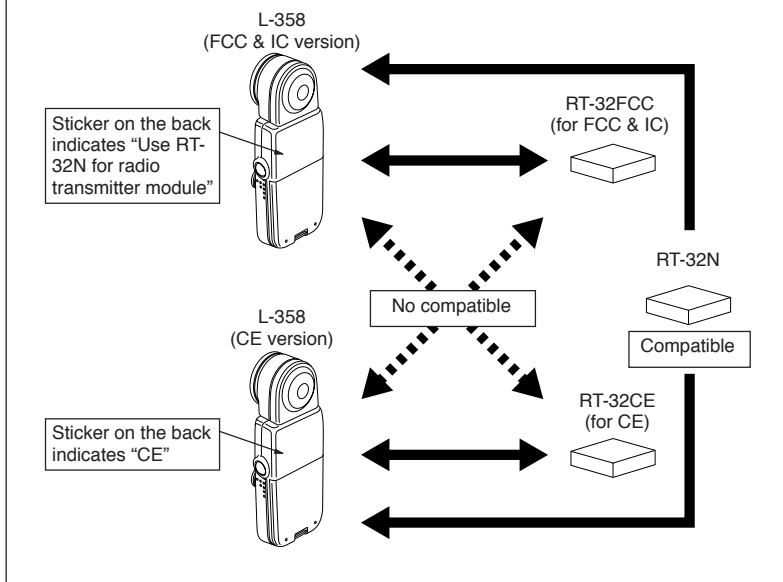
6. Advanced Functions

Reference:

- Refer to the receiver instruction manual for the receiver operating method.
- Maximum controllable distance of the radio flash trigger system differs depending on the placement of the device, direction and other factors.
 1. Confirm the direct visible range between the transmitter and receiver.
 2. Place the meter and receiver away from large metal objects, concrete, objects with large moisture content (both people and trees fall into the category) and so forth.
 3. Secure the radio receiver in place by using Velcro tape or mounting 1/4-20 thread.
Be sure that the entire length of the receiver antenna is higher than the flash pack at this time. Avoid contact between the receiver antenna and metal objects at all times.
 4. Depending on the location, there may be cases when the receiver is incapable of receiving any radio signals whatsoever.
There are various possible reasons for this such as radio signals reflected from nearby objects. This can generally be resolved by shifting the device slightly in one direction or another.
In addition, confirm that the device is not placed behind objects that readily absorb or deflect radio signals such as concrete, metal, low hills, etc.

NOTE:

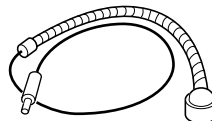
- The Wireless flash triggering system may be used only in countries where a permit for the control frequency has been issued by the government office in charge. There are several kinds of frequencies in the world, and we recommend you check if your transmitter(s) and receiver(s) are compatible each other.



7. Accessories

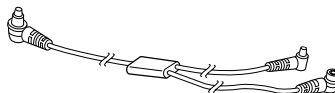
Mini Light Receptor (Sold separately)

- Incident light receiving unit with a compact 12mm diameter light receiving surface.
- For measuring narrow areas used for photographing small subjects or copy work.



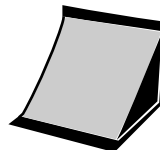
Synchro cord (Sold separately)

- 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.



18% Gray Card (Sold separately)

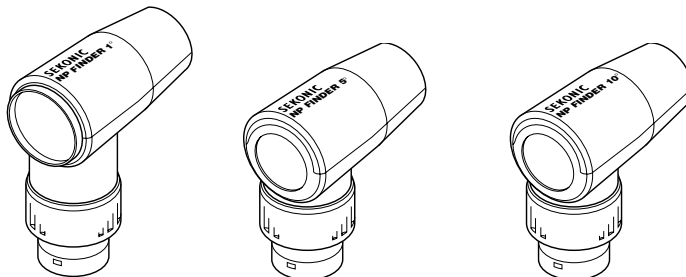
- 18% gray card with cover (110mm x 102mm, 4 1/4" x 3 1/2"), folds to 2 3/4" x 4 3/4", and fits in a shirt pocket.
- It provides accurate exposures regardless of reflection ratio of the subject and surroundings.



7. Accessories

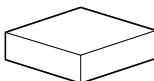
NP Finder; Non-parallax spot viewfinder attachment with ordinary waterproof structure (Sold separately)

- There are three types of NP finders with angles of coverage of 1°, 5° and 10°. Since the single-lens reflex method is employed, it is possible to measure as aimed without parallax.



Radio transmitter module (32 channels) (Sold separately)

- Combining radio transmitter module (RT-32N) enables measurements by triggering the flash or camera from the light meter.



RT-32N
(for US, Canada and EU countries)

Radio wave frequency

FCC & IC (indicating "Use RT-32N for radio transmitter module" on the back of body)

CH1 ~ 16 : 344.0MHz CH17 ~ 32 : 346.5 ~ 354.0MHz

CE (indicating "CE" on the back of body)

CH1 ~ 16 : 433.62MHz CH17 ~ 32 : 434.22MHz

Reference:

- RT-32N transmitter module, old Sekonic RR-4 and RR-32 receivers are compatible with PocketWizard® products from LPA Design (www.pocketwizard.com), and other manufacturers.

NOTE:

- Before purchasing wireless system equipments, be sure which destination (radio frequency) your light meter's is. It should be compatible with destination of Receivers of PocketWizard®.
- This radio triggering system may be used only in countries where a permit for the control frequency has been issued by the government office in charge. There are several kinds of frequencies in the world, and we recommend you check if your transmitter(s) and receiver(s) are compatible each other.

8. Technical Data

· Type	:	Digital light meter for ambient and flash light
· Light receiving method	:	Incident light and reflected light
· Light Receptors		
Incident light	:	Convertible to flat diffuser (Lumisphere in down position)
Reflected light	:	light receiving angle 54° (lumigrd)
· Light receptor element	:	2-Silicon photo diodes (incident and reflected)
· Metering modes		
Ambient light	:	Aperture priority metering Shutter priority metering EV metering
Flash	:	With synchro cord (cumulative, non-cumulative) Without synchro cord (cumulative, non-cumulative) Measurement using the optional wireless flash radio triggering system (cumulative,non-cumulative)
· Measuring Range (ISO 100)	:	
Ambient light	:	Incident light EV-2 to EV 22.9 Reflected light EV-2 to EV 22.9 (with 54°lumigrd)
Flash	:	Incident light f1.0 to f90.9 (approx. F124) Reflected light f1.0 to f90.9 (approx. F124) (with 54°lumigrd)
· Repeat Accuracy	:	+/- 0.1 EV or less
· Calibration Constant	:	
Incident light metering	:	Lumisphere C = 340 Flat diffuser C = 250
Reflected light metering	:	K = 12.5
· Display Range	:	
Film speed	:	ISO 3 to 8000 (in 1/3 steps)
Shutter Speeds		
Ambient light	:	30 minutes to 1/8000 seconds (in 1, 1/2 or 1/3 stop) also 1/200, 1/400 Cine speeds- 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 frames per second (at a 180 degree shutter angle)
Flash	:	30 minutes to 1/1000 second (in 1, 1/2 or 1/3 stop) also 1/75, 1/80, 1/90, 1/100, 1/200, 1/400
Aperture	:	f/1.0 to f90.9 (in 1/10, 1/2 or 1/3 stop)
EV	:	EV -9.9 to EV 40.1 (in 1/10 stop)
Analog display		
Aperture	:	f/1.0 to f90 (in 1/2 stop)
Shutter speed	:	2s to 4k (1/4000) (in 1/2 stop)

8. Technical Data

Other features	:	
All-weather feature	:	JIS standard water resistance class 4, splash-proof type
Memory function	:	9 readings
Memory clear · recall function	:	
Multiple Flash function	:	Up to ∞ flash readings (Only one digit is displayed when the cumulated number is ten or more.)
Average function	:	Up to 9 readings can be averaged.
Brightness Difference function	:	+/- 9.9 EV (in 1/10 stop)
Flash analyzing function	:	0 to 100% in 10% increments
Exposure Out of Range	:	Eu (underexposure) or Eo (overexposure) indication
Exposure compensation	:	+/- 9.9 EV (in 1/10 steps)
Calibration compensation	:	+/- 1.0 EV (in 1/10 steps)
Battery Power Indicator display	:	with a symbol in 3 status
Auto Power Off	:	20 minutes after last use
Auto illumination	:	EV 6 and under

- DIP switch mode selection
- Second ISO film speed setting : ISO 3 to 8000 (in 1/3 stop)
- Battery used : one of CR123A battery (lithium dry cell)
- Operating temperature range : -10 ~ 50°C
- Storage temperature range : -20 ~ 60°C
- Dimensions : 60 w × 155 h × 37 d mm
- Weight : 153 g (with battery)
- Standard accessories supplied : Lumigrad, Soft case, strap, synchro terminal cap, CR123A lithium battery × 1
- Radio wave frequency

FCC & IC	:	CH1 ~ 16	344.0MHz
		CH17 ~ 32	346.5 ~ 354.0MHz
CE	:	CH1 ~ 16	433.62MHz
		CH17 ~ 32	434.22MHz

Features and specifications are subject to change without notice.

9. Safety Guide

WARNING

- Please keep in a location where an infant cannot reach and accidentally get the strap wrapped around his neck. There is danger of strangulation.
- Never place batteries in fire, short, disassemble, or heat them. The batteries might break down, and cause injury or pollute the environment.

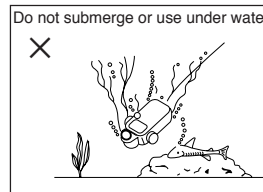
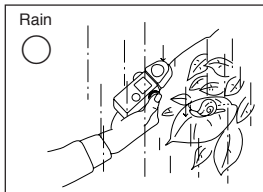
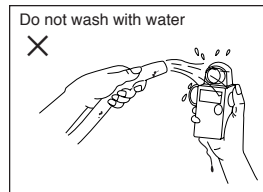
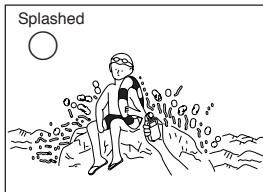
CAUTION

- Do not look directly at the sun through the viewfinder, because of potential eye injury.
- If you are operating the exposure meter in areas under wet conditions or high humidity, keep the sync post covered. If you are using flash in these conditions, Cordless Flash mode is recommended.

10. Care and Maintenance

NOTE:

- Although this meter has an All-weather design for everyday use (JIS standard water resistance class 4), do not place it in water or use it underwater. This will cause it to malfunction.



- To avoid damaging this meter, never drop it or subject it to shock.
- Avoid storing it in places with high temperatures or humidity.
- Avoid excessive temperature changes which could cause internal condensation, resulting in malfunction.

Maintenance Notes

- If your meter is splashed with water, wipe immediately with a soft dry cloth.
- Avoid applying excessive force on the rubber seal of the battery compartment cover. Do not attempt to remove the rubber seal of the battery compartment cover.
- If the rubber seal's surface is damaged, water or moisture may enter and damage the meter. If this has happened, you must send your meter to the Sekonic Service Center in your country.
- Keep the surface of the Lumisphere and the front and rear surface of the Zoom lens free from dust, dirt, and scratches, which could affect accuracy.
- Never use organic cleaners (like thinner or benzene). Clean with soft dry cloth.

FCC & IC compliance information:

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant.

To Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determine by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC rules and also with RSS-210 of Industry Canada. Operation is subject to the following two condition: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID:	PFK-RT32-01	3916A-RT3201
	or	IC: or
	PFK-RT32-02	3916A-RT3202

The approval of this rule is obtained with optional radio transmitter module (RT-32FCC and RT-32N). In installing radio transmitter module into the meter, be sure to put the sticker indicating FCC ID and IC number on the back of meter which is enclosed in the package of the module. For details, please refer to the instruction manual of transmitter module.

SEKONIC

SEKONIC CORPORATION

7-24-14, Oizumi-Gakuen-cho, Nerima-ku, Tokyo 178-8686, Japan
Phone : ++81-3-3978-2335 Facsimile : ++81-3-3978-5229
<http://www.sekonic.co.jp>

MANUFACTURERS EC DECLARATION OF CONFORMITY

Product identification


Product : Digital Exposure Meter
Brand : SEKONIC
Type : L-358
Explanation of product : Device for use in determining the optimum exposure of a photographic subject. The reading is given in digital form. And device is capable wireless flash triggering with an radio module.

Means of conformity

The product is in conformity with the essential requirements of the R & TTE Directive 1999/5/EC.

Manufacturer : SEKONIC CORPORATION
7-24-14, Oizumi-Gakuen-cho, Nerima-ku, Tokyo 178-8686 Japan

Function : Quality Control Dept. General Manager

Signature : 
(YUKITOSHI KIGUCHI)

Date of issue : August 28, 2006

Number : LAA0430

SEKONIC

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<http://www.sekonic.co.jp>

MANUFACTURERS EC DECLARATION OF CONFORMITY

Product identification

Product : Digital Exposure Meter
Brand : SEKONIC
Type : L-358
Explanation of product : Device for use in determining the optimum exposure of a photographic subject. The reading is given in digital form. And device is capable wireless flash triggering with a radio module.

Means of conformity

The product is in conformity with the essential requirements of the R & TTE Directive 1999/5/EC.

Test carried out by

(EMI, EMC) : RETLIF TESTING LABORATORIES
101 New Boston Road Goffstown NH 03045
(Safety) : SEKONIC CORPORATION
2714, Oaza Ikeda, Ikeda Machi, Kita Azumi Gun, Nagano Ken
399-8601, Japan

Standards used

(EMI) : EN300 220-1 V2.1.1(2006), EN61000-4-2:1995/A1:1998/A2:2001
EN300 220-2 V2.1.2(2007)
(EMC) : EN301 489-03 V1.4.1(2002), EN61000-4-3:2002/A1:2002
EN301 489-01 V1.4.1(2002)
(Safety) : EN60950 3rd(2000)

Test report number

(EMI, EMC) : R-5005N-1
(Safety) : LAA0423

Manufacturer : SEKONIC CORPORATION
7-24-14, Oizumi-Gakuen-cho, Nerima-ku, Tokyo 178-8686 Japan

Function : Total Quality Management Dept. General Manager

Signature : Akiyoshi Takahara
(AKIYOSHI TAKAHARA)

Date of issue : September 01, 2008

Number : LAA0515

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<http://www.sekonic.co.jp>

JC1097582

SEKONIC

Radio Transmitter RT-32CTL

Operating Manual

Thank you for purchasing this product.

Please read the instruction manual thoroughly to assure its safe and proper use.

The RT-32CTL Radio Transmitter is designed to fit into select Sekonic light meters and transmit trigger signals to PocketWizard® receivers and transceivers as well as electronic flashes with PocketWizard® receivers built-in.

When installed, it enables one person working alone to measure flash output without the need of a sync cord.

Pressing the measuring button simultaneously triggers the flash and measures the light.

The RT-32CTL Radio Transmitter is also compatible with PocketWizard® ControlTL® radios.

Please see the operating manual for each light meter to learn how to set PocketWizard® channels for both Standard and ControlTL® radios.

For L-358

Use the Channel Selector Sheet provided in the RT-32CTL package to set ControlTL® transmitting channels.

For L-758 series

1. If firmware has been upgraded, select Standard and ControlTL® channels using light meter display.

2. If the firmware has not been upgraded, set channels using the Channel Selector Sheet provided in the RT-32CTL package.

For the safe and proper use of this product

Please use the device properly after reading the Cautions for Safety thoroughly prior to use.

⚠ CAUTION:

- * Indicates hazards or unsafe practices that can result in the personal injury or damage to your light meter.
- * To prevent damage due to static electricity, release static electricity stored in your body by touching a metal object nearby (door knob, aluminum window frame, etc.) before touching the radio signal transmitter module.

NOTE:


- * Indicates a caution or limitation that accompanies operation. Please read the note to avoid incorrect operation.

1. Mounting



- (1) Press the POWER button to turn OFF the light meter.
- (2) Open the battery cover.
- (3) Remove the connector cover.
- (4) Align the connector of the Radio Transmitter with the pins of the light meter's connector terminal.
- (5) Carefully insert the Radio Transmitter connector while holding body of the transmitter parallel to the light meter body.
- (6) Confirm that the Radio Transmitter is fully inserted and close the battery cover.

2. Confirmation of operations

Be sure to test the operation of the Radio Transmitter and light meter before using it in a photographic situation.

- (1) Press the POWER button to turn on the light meter and confirm that Wireless flash radio triggering mode icon  is displayed on the LCD.
- (2) Connect a PocketWizard® receiver or transceiver to a flash and set it to the same channel set on the light meter.
- (3) Press the light meter's measuring button to send the trigger and arm the light meter for a reading. As red lamp on the remote receiver or transceiver is lit, the flash will fire and the light meter will record a measurement.

NOTE:

- * If the Wireless flash radio triggering mode icon  is not displayed, confirm that the Radio Transmitter is mounted properly in the light meter's battery compartment.
- * The Wireless flash radio triggering mode icon  may not be displayed if you turn the light meter power off and then immediately turn it back on again. If that happens, turn the power off and wait about 5 seconds before turning it back on again.

3. Specifications

Size : Approx. 34mm (H) x 28mm (W) x 12mm (D) / 1.3"(H) x 1.1"(W) x 0.5"(D)

Weight : Approx. 10g / 0.35oz

Power source : Supplied from the light meter

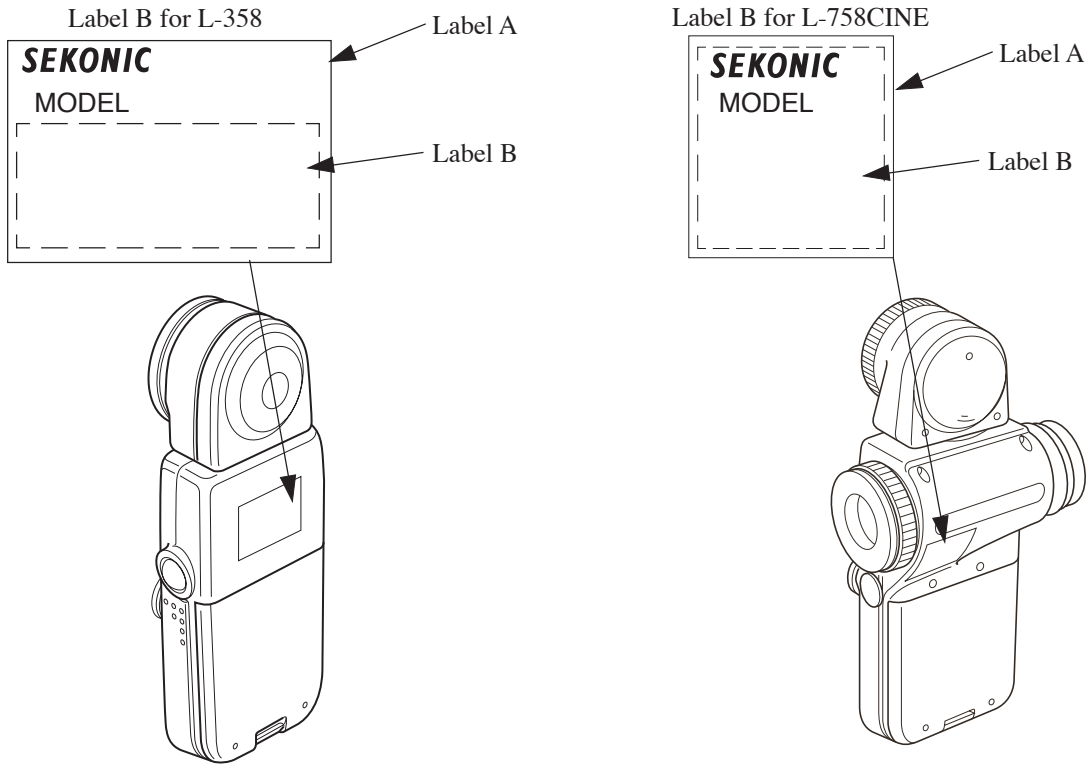
Radio signal transmission distance : Approx. 30m/100feet (In case that there is no obstacle between transmitter and receiver/transceiver.)

Applicable standards : FCC, Industry Canada, CE

4. How to attach the operating label to the light meter.(For FCC & IC versions)

Two types of stickers are included in the package: for L-358 and L-758CINE.

Please stick "Label B" on [] area of current "Label A" on the back of light meter.



NOTE: * Please remember that the light meter may be out of regulation if the label is not attached.

FCC & IC compliance information:

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant.

To Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC rules and also with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

*Old ID for Body is compatible with New ID for RT-32CTL Module

RT-32 Module	RT-32N Module	RT-32CTL Module
FCC:PFK-RT32-01	FCC:PFK-RT32-02	FCC:PFK-RT32-03
IC:3916A-RT3201	IC:3916A-RT3202	IC:3916A-RT3203

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 http : //www.sekonic.com

SEKONIC

RADIO TRANSMITTER RT-32CTL

1. Radio Channel Selector Sheet - Channel 1 to 16 -

This channel assignment is applied to L-358 only

Meter Channel / Zone	ControlTL Channel / Zone	
	FCC&IC	CE
1	1 ABC*	1 ABC*
2	2 ABC*	2 ABC*
3	3 ABC*	3 ABC*
4	4 ABC*	—
5	—	—
6	—	—
7	—	—
8	—	—
9	—	—
10	—	—
11	—	—
12	—	—
13	—	—
14	—	—
15	—	—
16	—	—

* --- Zone A to C are all triggered simultaneously

JQ7D97540

SEKONIC

RADIO TRANSMITTER RT-32CTL

2. Radio Channel Selector Sheet - Channel 17 to 32 -

This channel assignment is applied to L-358 only

Meter Channel / Zone	Control Channel / Zone	
	FCC&IC	CE
17 A/B/C	5 A/B/C	1 A/B/C
18 A/B/C	6 A/B/C	2 A/B/C
19 A/B/C	7 A/B/C	3 A/B/C
20 A/B/C	8 A/B/C	1 A/B/C
21 A/B/C	9 A/B/C	2 A/B/C
22 A/B/C	10 A/B/C	3 A/B/C
23 A/B/C	11 A/B/C	1 A/B/C
24 A/B/C	12 A/B/C	2 A/B/C
25 A/B/C	13 A/B/C	3 A/B/C
26 A/B/C	14 A/B/C	1 A/B/C
27 A/B/C	15 A/B/C	2 A/B/C
28 A/B/C	16 A/B/C	3 A/B/C
29 A/B/C	17 A/B/C	1 A/B/C
30 A/B/C	18 A/B/C	2 A/B/C
31 A/B/C	19 A/B/C	3 A/B/C
32 A/B/C	20 A/B/C	1 A/B/C

CH17 to 32 - - - Selected Zone (A to C or D) is triggered individually