

8. Optional Accessories

Synchro cord

- 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.



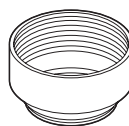
18% Gray Card

- 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 reflected ratio of the subject and surroundings.



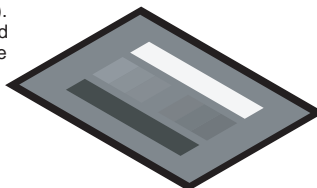
Lens Hood/Step-Up Ring (30.5mm → 40.5mm)

- The step-up ring, available as an optional accessory, makes it possible to mount step rings and filters of other manufacturers. This simplifies the setting of exposure without the troublesome correction calculation of PL filters, etc. The step-up ring can also be used as a Lens hood to protect the spot lens from scratching, soiling, and avoids lens glare which could cause incorrect light measurements etc.



Exposure Profile Target

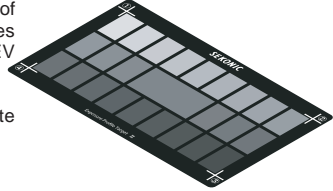
- This is a Gray Scale Test target for Exposure Profiling and meter calibration. (The size is 260 x 160mm. 10.2" x 6.3"). One side is nine gray patches including black and white, and the other side is an: 18% gray card for digital camera white balancing and spot metering.



8. Optional Accessories

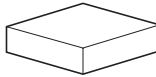
Exposure Profile Target II

- This is a chart to make the Camera Exposure Profile by using Data Transfer Software version 2.0. This target consists of central 18% gray patch that is surrounded by 24 patches arranged in 1/6th stop values that are successively +2EV brighter and -2EV darker.
(Size: 350mm X 120mm)
The other side is 18% gray card for digital camera white balancing and spot metering.



Radio transmitter (For the L-758D or L-758CINE.)

- Electronic flash units and/or cameras can be triggered wirelessly from the L-758D or L-758CINE with optional radio module using PocketWizard® Receiver or Transceivers connected to them.



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

Radio frequency (indicating "Use RT-32CTL for radio transmitter module" on the back of body)

FCC & IC

ControlTL® Channel

CH1 ~ 4 : 340.0MHz ~ 346.0MHz CH5 ~ 20 : 341.5 ~ 351.0MHz

Standard Channel

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

CE

ControlTL® Channel

CH1 ~ 3 : 433.42MHz ~ 434.42MHz

Standard Channel

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

Reference:

- RT-32CTL Radio transmitter is compatible with PocketWizard® products from LPA Design (www.pocketwizard.com), and other manufacturers with same system.
- Old RT-32N, RT-32FCC/CE or RT-32N work with Standard Channel only, RT-32CTL works with both Standard Channel and ControlTL® Channel.

NOTE:

- Before purchasing PocketWizard® wireless (radio frequency) your light meter's is compatible equipment, be sure that it is correct radio frequency for the country that will be used in and is the same radio frequency as the light meter.
- PocketWizard® and Sekonic's Radio Triggering system may be used only in countries where a permit for the approved frequency has been issued by the government office in charge. There are several kinds of approved frequencies in the world, and we recommend you to be sure that check your Sekonic light meter Transmitter and Receiver(s) or Transceiver (s) are compatible with each other.

9. Technical Data

- Type : Digital exposure meter equipped with 1° spot viewfinder for ambient and flash light
- Light receiving method : Incident light and reflected light
- Light Receptors
 - Incident light : Convertible to flat diffuser (with retracted Lumisphere)
 - Reflected light : 1° spot with display in finder
Metering distance 1m ~ ∞
- Light receptor element : 2-Silicon photo diodes (incident and reflected)
- Metering modes
 - Ambient light : Aperture priority metering
Shutter priority metering
EV metering
Simple illumination measurement (lux, foot-candle)(758CINE only)
Simple brightness measurement (foot-lambert, cd/m²)(758CINE only)
 - Flash : With synchro cord (cumulative, non-cumulative)
Without synchro cord (cumulative, non-cumulative)
Measurement using the wireless flash radio triggering system (cumulative, non-cumulative) (optional for L-758D/758CINE)
- Measuring Range (ISO 100)
 - Ambient light
 - Incident light : EV-2 to EV 22.9
 - Reflected light : EV 1 to EV 24.4 (with 1° spot viewfinder)
 - Flash
 - Incident light : f0.5 to f161.2 (approx. f175)
 - Reflected light : f2.0 to f161.2 (approx. f175) (with 1° spot viewfinder)
 - Illumination (direct measurement is possible only in 758CINE)
 - : 0.63 - 190,000 lux (2 significant digits)
0.10 - 180,000 foot-candle (2 significant digits)
 - Brightness (direct measurement is possible only in 758CINE)
 - : 0.25 - 190,000 cd/m² (2 significant digits)
0.10 - 190,000 foot-lambert (2 significant digits)
- 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 steps)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)
Additional Cine speeds to 758CINE
1, 10, 14, 20, 75, 90, 100, 125, 180, 250, 375, 500, 625, 750, 1000 (at a 180 degree shutter angle)
 - Flash : 30 minutes to 1/1000 second (in 1, 1/2 or 1/3 steps),also 1/75, 1/80, 1/90, 1/100, 1/200, 1/400

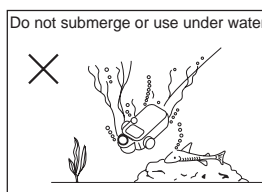
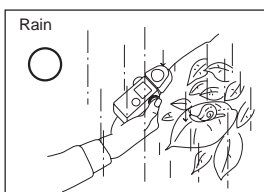
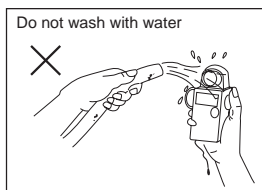
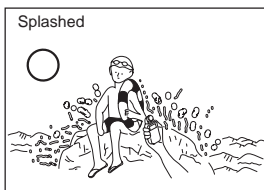
9. Technical Data

- Aperture : f/0.5 to f/161.2 (in 1, 1/2 or 1/3 steps)
EV : EV -9.9 to EV 46.6 (in 1/10 steps)
Analog scale : F-scale F0.7 – F90 (in 1/3 steps), (for 758DR/758D)
 F0.5 – F64 (in 1/3 steps), (for 758CINE)
 EV scale -7.0EV to +7.0EV (in 1/3 steps)
Contrast function : +/- 9.9 EV (in 1/10 steps)
Shutter angle (758CINE only)
 : 1° ~ 10° (in 1°steps), 15° ~ 270° (in 5°steps), plus 12°, 17°, 22°, 144°, 172°
Filter compensation : +/- 5.0 EV (in 1/10 steps)
Filter factor number compensation (758CINE only)
 : 85-, n3-, n6-, n9-, A3-, A6-, A9-
Multiple Flash function : Up to ∞ flash cumulated readings
 (only one digit is displayed when the cumulated number is ten or more.)
Exposure compensation : +/- 9.9 EV (in 1/10 steps)
Calibration compensation : +/- 1.0 EV (in 1/10 steps)
Flash analyzing function : 0 to 100% in 10% increments
- Other features :
All-weather feature : JIS standard water resistance class 4, splash-proof type
Memory function : 9 readings
Memory clear • recall function
Average function : up to 9 readings can be averaged.
Out of display or measurement range
 : Eu (underexposure) or Eo (overexposure) indication
Battery Power Indicator display
 : with 3 level status icon
Auto Power Off : Selectable in Custom Setting
Auto illumination : EV 6 and under
Custom setting function : 14 items (for L-758DR/758D), 17 items (for L-758CINE)
Diopter adjustment : -2.5 to 1.0D
Tripod socket : 1/4" and 20 threads
 (for placing meter in subject area for cordless flash measuring).
Second ISO film speed setting: ISO 3 to 8000 (in 1/3 steps)
- Battery used : one of CR123A battery 3V, (lithium dry cell)
• Operating temperature range : -10 ~ 50°C
• Storage temperature range : -20 ~ 60°C
• Dimensions : 90 w x 170 h x 48 d mm
• Weight : 268 g (with battery)
• Standard accessories supplied : Soft case, strap, lens cap, USB-cable, synchro terminal cap,
 CR-123A lithium battery x 1, quick guide,
 Sticker for multi-key operation and CS, software in CD-ROM
- Radio triggering range : approx. 30 meters (approx. 100 feet)
• Radio wave frequency
 FCC & IC : (ControlTL) CH1 ~ 4 340.0 ~ 346.0MHz
 CH5 ~ 20 341.5 ~ 351.0MHz
 : (Standard) CH1 ~ 16 344.0MHz
 CH17 ~ 32 346.5 ~ 354.0MHz
 CE : (ControlTL) CH1 ~ 3 433.42 ~ 434.42MHz
 : (Standard) CH1 ~ 16 433.62MHz
 CH17 ~ 32 434.22MHz
- Features and specifications are subject to change without notice.

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.
- If the temperature of the meter drops to -10 deg. C or beyond, response of the LCD becomes extremely slow and displays are difficult to read. At temperatures between 0 and 10 deg. C the LCD will become somewhat slower than normal but this does not hinder usage. Also, when the temperature exceeds 50 deg. 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.

Maintenance Notes

- If your meter is splashed with water, wipe immediately with a soft dry cloth. This will cause rust or corrosion.
- Avoid applying excessive force on the rubber seal of the battery compartment cover or attempting to remove it. This will cause inundation, corrosion or malfunction.
- 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.
- When light meter get dirty, clean it with soft dry cloth. Never use organic cleaners (like thinner or benzene).
- Do not operate with battery door open.

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.

Model	FCC ID Number	IC Number	Note
L-758DR	PFK-RT32-03	3916A-RT3203	The approval of this rule is obtained under the condition that radio transmitter module is installed in the meter.
L-758CINE	PFK-RT32-01 or PFK-RT32-02 or PFK-RT32-03	3916A-RT3201 or 3916A-RT3202 or 3916A-RT3203	The approval of this rule is obtained with optional radio transmitter module (RT-32FCC, RT-32N and RT-32 CTL). 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.

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