

SEKONIC

EXPOSURE METERS



SEKONIC **exposure meters** **do** **make a difference.**

If you watch a professional photographer shoot a picture, you'll probably first see him "take a reading" with a hand-held exposure meter.

Today the majority of cameras have built-in exposure meters, and yet many people who have such cameras feel the need for separate exposure meters and actually use them.

Why? There's a good reason. Everybody wants precise control over his pictures and the hand-held exposure meter gives this kind of accuracy, while the built-in meter doesn't. *You're never really sure of a proper exposure with a built-in meter.*

Most built-in exposure meters read the average light reflected from a subject. When there is limited contrast of lights and darks in a scene, you can expect good results. But what happens when a scene has strong contrast of very dark and very light areas? Unlike the hand-held exposure meter, the built-in type often fails to compensate and gives you instead an overall reading, which can lead to under- or over-exposure negatives.

Now let's suppose you're taking pictures at a sunny beach or in bright snow, both intense light situations. The built-in reflected type meter will tend to be overly effected by the light reflected from the sand or snow, resulting in a "burned out" negative. In such a case, you can rely only on a hand-held incident light exposure meter which gives you the correct reading for beautiful pictures.

The incident light types which measure the light falling on the subject are suitable to photography work in studios, such as shooting models and commercial products and for copywork where precise illumination balance and color reproduction are necessary, while the reflected light types which measure the light reflected from all parts of a scene to the camera are more suitable where the subject is rather far away and unapproachable.

Sekonic boasts a wide selection of separate exposure meters including Spot, Flash, and Underwater meters, thus meeting every need and budget for beautiful picture taking.





SEKONIC DIGI-SPOT model L-488

- World's first spot meter for ambient and flash light. This spot meter, primarily designed for ambient light measurement, can also read flash luminescence when the synchro cord is utilized.
- Variable acceptance angle allows the photographer to easily choose 1° or 20° (for overall average measurement).
- Built-in micro computer provides correct measurement and instantaneous calculation.
- Highly economical "Power Miser" design.

SPECIFICATIONS

Measuring system: Reflected light type for both ambient and flash readings
 Measuring angle: 1° and 20° approx. convertible
 Measuring range: EV 1 ~ EV 20/ISO(ASA) 100 (for ambient light)
 f/5.6 ~ f/90+0.9AV/ISO(ASA) 100 (for flash light)
 Film speed: ISO(ASA) 3~8000
 F/stop: f/1 ~ f/90+0.9AV
 Shutter speed: 30 min. ~ 1/8000 sec. (for ambient light)
 1 sec. ~ 1/500 sec. (for flash light)
 Exposure value: EV(-)4 ~ EV 24.9
 Displays for over and under exposure are visible.
 Finder: Inverted Galilean system (magnification: 0.6 times)
 Power source: 2× AA pen light batteries (1.5 volts × 2)

Complete with synchro cord, leather case, neck cord and batteries.

SEKONIC DIGIPRO X-1 model L-518

- All-round exposure meter comprising five different functional modes and built-in micro computer; Mode 1 – wired measurement for flash light, Mode 2 – wireless measurement for flash light, Mode 3 – cumulative measurement for flash light, Mode 4 – ambient light measurement and Mode 5 – count-down timer.
- World's first exposure meter employing warning bell sound.
- Set and measured values are memorized even after the meter is switched off.
- Improper exposure is indicated by an E symbol display.

SPECIFICATIONS

Measuring system: Incident and reflected light type for both flash and ambient light
 Measuring range: f/1.0 ~ f/90+0.9AV/ISO(ASA) 100 (for flash light)
 EV 1 ~ EV 18/ISO(ASA) 100 (for ambient light)
 Film speed: ISO(ASA) 6~8000
 F/stop: f/1 ~ f/90+0.9AV
 Shutter speed: 1 sec. ~ 1/500 sec. (for flash light)
 30 min. ~ 1/8000 sec. (for ambient light)
 Exposure value: EV(-)5 ~ EV 24.9
 Displays for over and under exposure, battery check, bell coupled indication and count-down timer are visible.
 Power source: 1× AA pen light battery (1.5 volts)

Complete with Lumisphere, Lumidisc, reflected light filter, synchro cord, leather case, neck cord and battery.

SEKONIC DIGIFLASH model L-458

- Flash exposure meter designed for extraordinary easy handling, for wired use only.
- All necessary information is displayed on the easy-to-read liquid crystalline display panel.
- Improper exposure is indicated by an E symbol display.
- Swivel head turns to right and left, and upwards.
- Synchro terminal lock mechanism prevents inadvertent disconnections of the synchro cord.
- F-stop values are displayed by digital figures with decimal values, 0.1 AV per step.

SPECIFICATIONS

Measuring system: Incident and reflected light type for both flash and ambient light
 Measuring range: f/1.0 ~ f/90+0.9AV/ISO(ASA) 100 (for flash light)
 EV 4 ~ EV 21/ISO(ASA) 100 (for ambient light)
 Combinations of F and T equivalent to the above EVs are displayed.
 Film speed: ISO(ASA) 3~8000
 F/stop: f/1 ~ f/90+0.9AV
 Shutter speed: 1/15 sec. ~ 1/250 sec.
 Displays for over and under exposure, battery check are visible.
 Power source: 1× AA pen light battery (1.5 volts)

Complete with Lumisphere, Lumidisc, reflected light filter, leather case, neck cord and battery. Synchro cord is sold separately.



SEKONIC DIGI LITE model L-318

- Thin and light... pocket size digital exposure meter for incident light measurement. Reflected light is also acceptable by using Lumigrad provided.
- All operations for data input and output are possible with a single hand.
- 270° swivel head facilitates easy and accurate readings.
- Silicon photo diode with superior light response characteristics ensures a wide measuring range.

SPECIFICATIONS

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|--|---|
| Measuring system: | Incident light type, reflected light measurement is also possible |
| Measuring range: | EV 0 ~ EV 19.9/ISO 100 (for incident light) (EV 0) ~ EV 19.9/ISO 100 (for reflected light) |
| Film speed: | ISO 3 ~ 8000 |
| F/stop: | f/1 ~ f/90 and bar symbols 0.1 ~ 0.9 |
| Shutter speed: | 30 min. ~ 1/8000 sec. |
| Displays for over and under exposure, battery check are visible. | |
| Power source: | 1 x AA pen light battery (1.5 volts) |

Complete with Lumisphere, Lumidisc, Lumigrad, leather case, neck cord and battery.



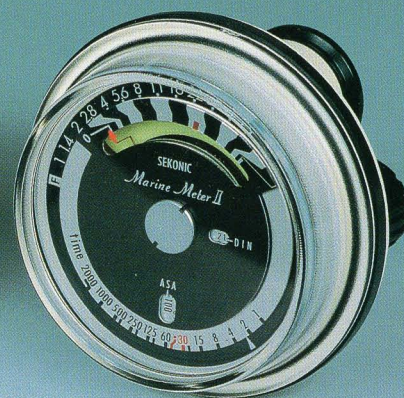
SEKONIC STUDIO DELUXE model L-398

- Highly accurate incident light meter for advanced amateurs and professional photographers — more than 1,000,000 pcs. of STUDIO meter series have been sold in the past 30 years.
- Swivel head and needle stopper facilitate easy and accurate readings (stopper can also be released).
- Selenium photocell eliminates need for changing batteries.
- Comes with Lumidisc for adjusting illumination contrast and measuring illumination intensity, and with Lumigrad for measuring reflected light.

SPECIFICATIONS

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|-------------------|---|
| Measuring system: | Incident light type, reflected light measurement is also possible |
| Measuring range: | EV 4 ~ EV 17/ISO(ASA) 100 (for incident light) EV 9 ~ EV 17/ISO(ASA) 100 (for reflected light) |
| Film speed: | ISO(ASA) 6 ~ 12000 DIN 9 ~ 42 |
| F/stop: | f/1 ~ f/90 |
| Shutter speed: | 60 sec. ~ 1/2000 sec. |
| Movie scale: | 8 fps. ~ 128 fps. |

*Complete with Lumisphere, Lumidisc, Lumigrad, High-slide, leather case and neck cord.
Set of 11 direct reading slides is sold separately (see back page).*



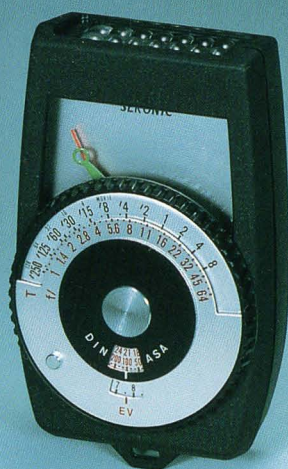
SEKONIC MARINE II model L-164B

- Ideal exposure meter employing direct reading method for easy manipulation and reading under water.
- All-weather type meter usable also in rain and snow.
- Permissible water depth is 60 meters (200 feet approx.).

SPECIFICATIONS

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|-------------------|--|
| Measuring system: | Reflected light type, direct reading of f/stop value |
| Measuring range: | EV 5 ~ EV 17/ISO(ASA) 100 |
| Film speed: | ISO(ASA) 6 ~ 12000 DIN 9 ~ 42 |
| F/stop: | f/1 ~ f/64 |
| Shutter speed: | 1 sec. ~ 1/2000 sec. |
| Power source: | 1 x 1.3 V mercury battery (MR9, M20, H-D) |

Complete with leather case, chain and battery.



SEKONIC AUTO-LUMI model L-158

- Easy-to-use needle matching, reflected light type exposure meter.
- Lightweight and thin design is very convenient for carrying in pocket.
- Selenium photocell eliminates need for changing batteries.

SPECIFICATIONS

Measuring system: Reflected light type
 Measuring range: EV 7 ~ EV 17/ISO(ASA) 100
 Film speed: ISO(ASA) 6 ~ 12000
 DIN 9 ~ 42
 F/stop: f/1 ~ f/64
 Shutter speed: 8 sec. ~ 1/2000 sec.
 Movie scale: 8 fps. ~ 128 fps.

Complete with neck cord.

SEKONIC AUTO-LEADER model L-188

- Easy-to-use needle matching, reflected light type exposure meter.
- Lightweight and thin design is very convenient for carrying in pocket.
- Highly sensitive CdS is employed.

SPECIFICATIONS

Measuring system: Reflected light type
 Measuring range: EV 3 ~ EV 18/ISO(ASA) 100
 Film speed: ISO(ASA) 6 ~ 12000
 DIN 9 ~ 42
 F/stop: f/1 ~ f/64
 Shutter speed: 8 sec. ~ 1/2000 sec.
 Movie scale: 8 fps. ~ 128 fps.
 Power source: 1×1.5 V mercury battery (SR44, S15, G13)

Complete with neck cord and battery.

SEKONIC MULTI-LUMI model L-248

- Highly accurate reflected light type employing a sensitive CdS.
- Incident light measurement is also possible by sliding a built-in diffuser.
- Needle stopper mechanism facilitates easy and accurate reading.

SPECIFICATIONS

Measuring system: Reflected light type, incident light measurement is also possible
 Measuring range: EV 2 ~ EV 18/ISO(ASA) 100
 Film speed: ISO(ASA) 6 ~ 12000
 DIN 9 ~ 42
 F/stop: f/1 ~ f/64
 Shutter speed: 30 min. ~ 1/4000 sec.
 Movie scale: 8 fps. ~ 64 fps.
 Power source: 1×1.3 V mercury battery (MR9, M20, H-D)

Complete with leather case, neck cord and battery.



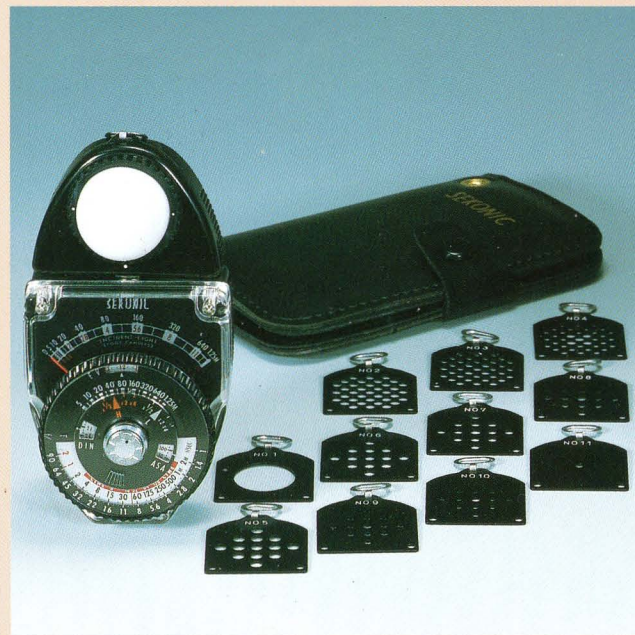
SEKONIC PHOTOELECTRIC ILLUMINATION METER model L-246

Lightweight and compact design.
Swivel head and simplified scale plate facilitate easy readings.
Selenium photocell eliminates need for changing batteries.

SPECIFICATIONS

Measuring system: Incident light type
Measuring range: Low range: 0 ~ 1000 lux
Mid range: 0 ~ 5000 lux
Hi. range: 0 ~ 50000 lux (by using H-slide)
Accuracy: $\pm 10\%$ (tested with standard single-plane tungsten lamps of 2854°K color temperature)
Angle deviation: 30° : -3% or less
60° : -10% or less
Special luminous efficacy compensation: 0 ~ 1000 lux: No compensation (uses light source constant)
0 ~ 5000 lux: Compensated
Conditions of use: Temperature: 5~35°C (41~95°F)
Humidity: 45~85%

Complete with Lumidisc, High-slide, leather case and neck cord.



DIRECT READING SLIDE SET for L-398

The direct reading slides can be used only for incident light measurement, not available for reflected light reading, using L-398 Studio Deluxe Meter.

11 different slides are provided for direct reading of f-stop value according to the combination of film sensitivity and shutter speed you are using (refer to the following table).

| Shutter speed | 1/15 | 1/30 | 1/40 | 1/50 | 1/60 | 1/125 | 1/250 | 1/500 |
|---------------|----------|------|------|------|------|-------|-------|-------|
| Slide No. | ISO(ASA) | | | | | | | |
| 1 | 64 | 125 | 160 | 200 | 250 | | | |
| 2 | 50 | 100 | 125 | 160 | 200 | 400 | | |
| 3 | 40 | 80 | 100 | 125 | 160 | 320 | | |
| 4 | 32 | 64 | 80 | 100 | 125 | 250 | | |
| 5 | 25 | 50 | 64 | 80 | 100 | 200 | 400 | |
| 6 | 20 | 40 | 50 | 64 | 80 | 160 | 320 | |
| 7 | 16 | 32 | 40 | 50 | 64 | 125 | 250 | |
| 8 | | 25 | 32 | 40 | 50 | 100 | 200 | 400 |
| 9 | | 20 | 25 | 32 | 40 | 80 | 160 | 320 |
| 10 | | 16 | 20 | 25 | 32 | 64 | 125 | 250 |
| 11 | | | 12 | 16 | 20 | 40 | 80 | 160 |

Complete set with leather case.



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