

Touch it!

The new L-478 Series.

LITEMASTER PRO L-478DR

Control Flash Power and
Exposure Wirelessly

LITEMASTER PRO L-478D

Digital Exposure with Full
Still and Motion Capability



TOUCH THE FUTURE OF LIGHTING CONTROL WITH SEKONIC

Creative image makers, still or motion, have known for generations light and the ability to control it has always been the key to capturing the essence of photography. Today's sophisticated cameras and lighting equipment offers more control and creative possibilities than ever before. To complement these advances in the photographic, cine and video worlds, Sekonic offers the most innovative and advanced light-measuring instrument in the industry.

How do you tell the story?

With still images...

The L-478-series takes the mystery out of mixing ambient light and flash. Touch to select the measurement mode fitting your shooting style. Measure the brightness of a single light or the exposure for all. Read flash with a cord or cordlessly. Touch to compare, analyze and display for the very best results.

Keeping pace with wireless advancements, the L-478DR comes complete with exclusive PocketWizard ControlTL technology (L-478DR only). Combining light measurement and flash power control into a handheld light meter has realized photographers' dreams for decades.

With moving images...

The L-478-series has the motion capture modes fitting the camera you use. Touch to set shutter speeds for HD SLR cameras or quickly select frame rates and shutter angles for Cine. Create unique frame rates and shutter angles for special effects. Touch to engage an inspired filter-compensation system, assuring fast and accurate adjustment of filtered lights and cameras. Take measurements, compare lights, and determine settings all at the speed of touch.



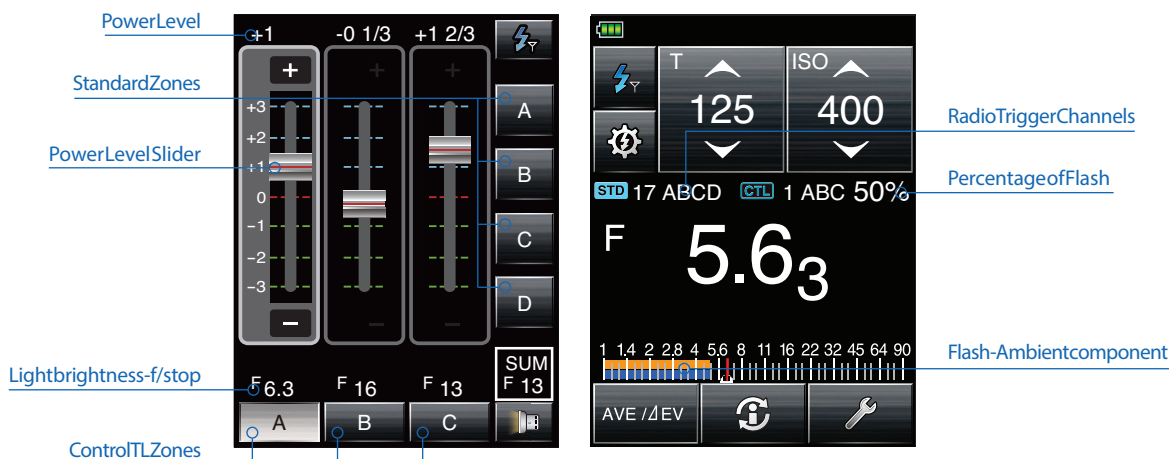
Simple Operation

From the first touch of your fingertip, you know something different and exciting is about to happen. The LITEMASTER PRO L-478-series powers-up with the world's first colorful touch screen display, inviting you to explore its amazing features and capabilities.

Flash Power Control (L-478DR only)

The Sekonic L-478DR features PocketWizard wireless technology enabling fingertip control of remote flashes connected to PocketWizard ControlTL receivers. Touch sliders to adjust power levels of Nikon or Canon Speedlights mounted on PocketWizard Flex TT5 transceivers or select studio flash units connected to ControlTL receivers. Switch Zones on or off to measure remote flashes separately for precise ratios.

The L-478DR also incorporates PocketWizard Standard Channel and Quad Zone capability and can trigger any flash with a PocketWizard connected to it, including those with PocketWizard modules built-in.

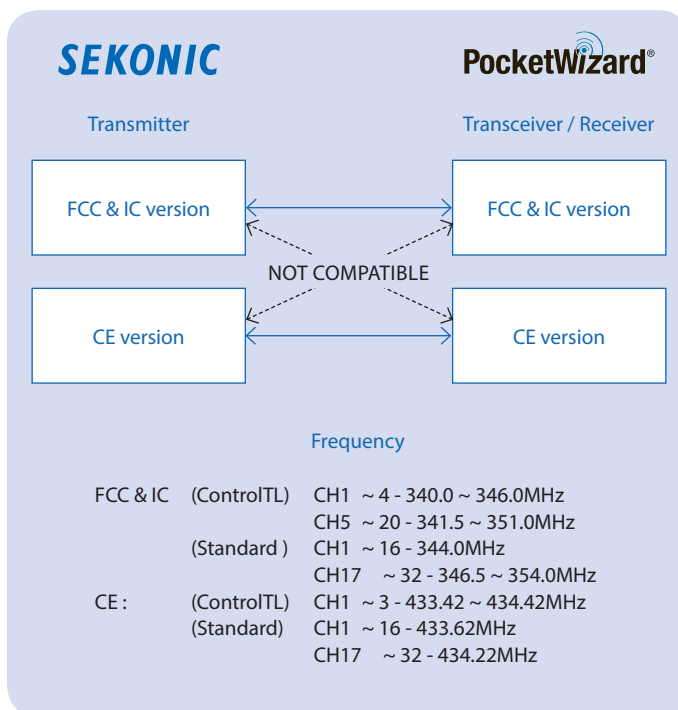


PocketWizard family

The Sekonic L-478DR provides triggering or flash control for the entire PocketWizard wireless family. Dynalite, Lumedyne, Photogenic, and Profoto incorporate the PocketWizard standard system. AlienBees, Einstein, Elinchrom, Canon, Nikon and White Lightning flashes connected to PocketWizard ControlTL products are a perfect match to the L-478DR for power control.

Radio Frequency and Compatibility

The PocketWizard triggering systems used different frequencies in accordance with laws and regulations of the countries where they are marketed. Before purchasing a product using the PocketWizard system, be sure it is compatible with local regulations and the other PocketWizard products you use.



* Corresponding products availability depends on each area or countries.
 * All trademarks, company and product names, are the property of their respective owners.

Flash Analyzing Function

The L-478-series meters are especially useful when using flash to lighten shadows or reduce background detail. That's because they measure ambient and flash simultaneously and automatically indicate the percentage of flash in the total exposure. Touch the screen to adjust settings to get the perfect ambient/flash mix. The meter's analog display uses color-coded lines to graphically display the relationship between ambient and flash components.



20% Flash



50% Flash



80% Flash

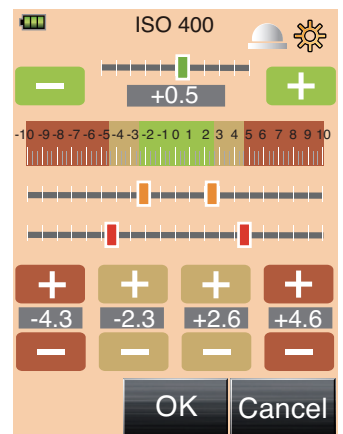
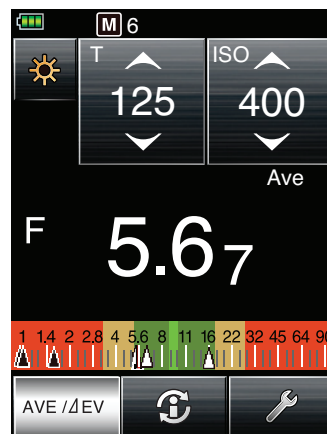


Calibrated to your Camera with Exposure Profiling



Every camera system is unique. Optical, mechanical and imaging components all act on each other to produce slight differences in the dynamic range and exposure. Knowing the limits of your camera enables making better exposures with less post-processing.

Sekonic's pioneering Data Transfer Software*1 enables quick dynamic range mapping and meter calibration for the most precise control of light. Create and store up to ten profiles with Sekonic or X-Rite brand targets*2 or use the touch display to directly enter profile information obtained from other sources.

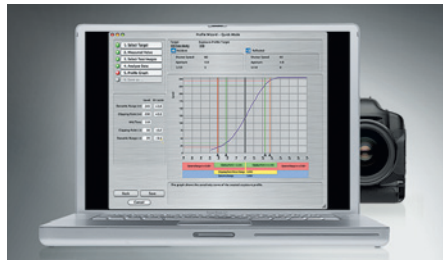


Exposure profiling



Step 1

Shoot target (Sekonic or X-Rite brand*2) with the equipment you use most.



Step 2

Download images into computer. If shot in RAW, convert them to TIFF or JPEG for computation. Enter ISO, incident and reflected shooting data*3 to the Data Transfer Software*1 and it creates a graph of dynamic range and clipping points for your camera. Name and save the profile data.



Step 3

Connect L-478 series to computer and transfer up to ten profiles. Stored files can be recalled and displayed at the touch of a finger. Color-coded dynamic range and clipping point information is clearly displayed on the meter's analog scale. Exposure latitude warnings alert you when the exposure exceeds the range of the camera.

Data Transfer Software (CD-ROM included)

Data Transfer Software offers 1) Create exposure profiles, 2) Change custom settings, 3) Customize user settings such as frame rate, shutter angle and filter compensation, and 4) Upgrade the L-478-series firmware.

*1: Data Transfer Software is an application software in CD-ROM included in the package.

*2: Sekonic and X-Rite targets are sold separately.

*3: Sekonic L-478VF 5-degree viewfinder, sold separately, is required for DTS calibration using targets.



Enhanced HD Cine / Cine Features

Today's digital cameras are boundless and a variety of cameras can be used in a single production. The L-478 series has two motion capture modes to fit camera in use. Touch to set shutter speeds for HD SLR cameras or quickly select frame rates and shutter angles for Cine. Create unique frame rates and shutter angles for special effects.



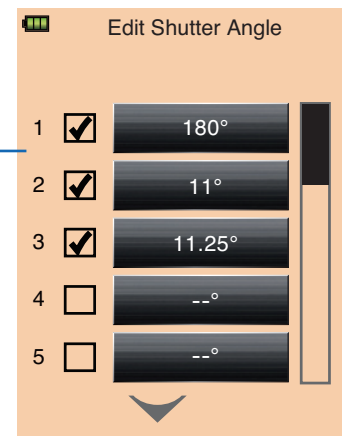
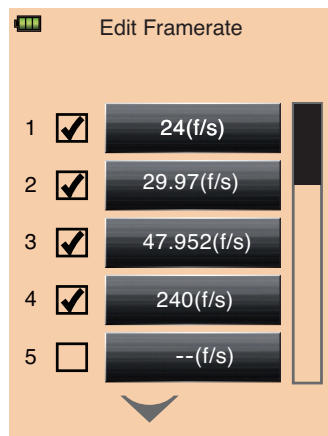
HD CINE Mode



CINE Mode

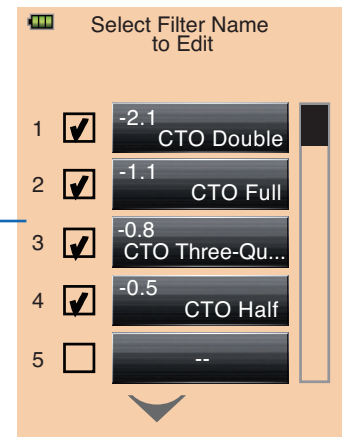
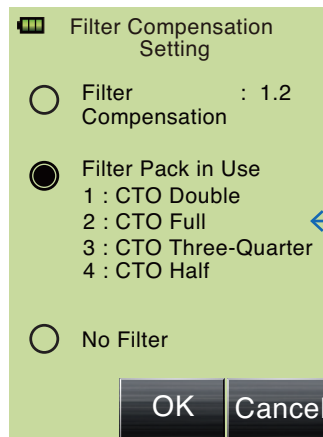
Infinite Frame Rate/ Shutter Angle

Special effects and light sources can push standard camera settings to their limits. That's why the L-478 series also allows creating unique frame rates and shutter angles to .000 to enable precise exposure and lighting, producing the very best images and reduce time in post-production.



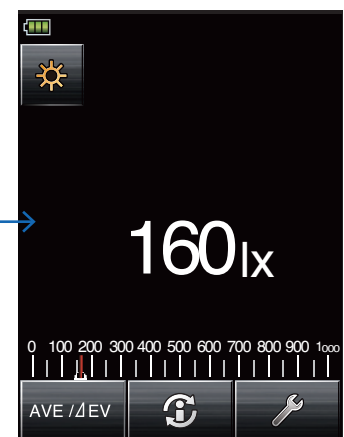
Unique Filtration Compensation Mode

Like all light and exposure meters, the L-478 series are calibrated for visual light. Because meters can't measure filtered light by design, Sekonic designers added a unique Filter mode that enables getting exact light levels with touch screen ease. Touch the L-478 series to instantly call up light-source or camera filtration expressed in industry standard CTO/CTB/ND terms. For special filters or applications, create a unique filter factor and give it a name. Up to four filters can be used together as a pack to assure full control in virtually any situation.



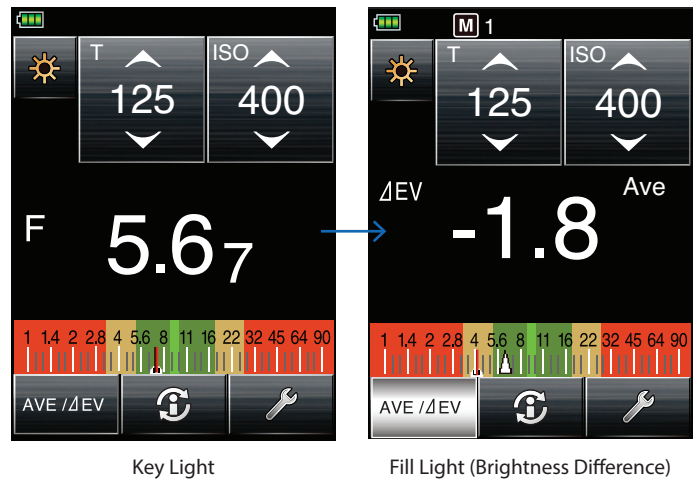
Illuminance or Luminance Measurement

Brightness measurement in Lux or FC and Cd/m² or FL will make the L-478 series a major player on movie sets around the world. Display brightness along with exposure measurements or simply by itself.



Contrast Function

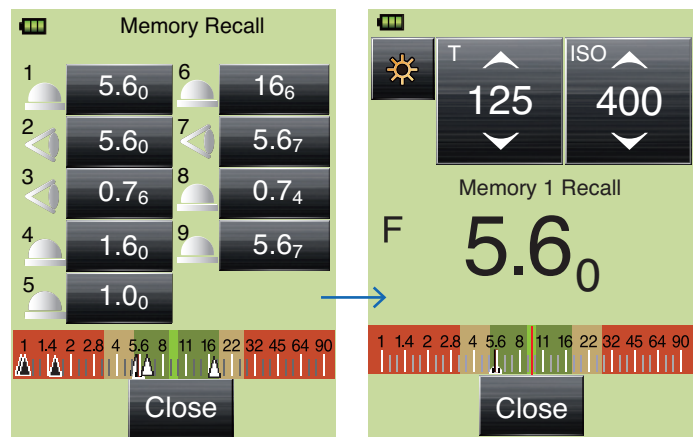
The L-478 series' contrast function simplifies setting up lighting ratios or checking the evenness of a background or scene. Take a reading of the key or reference light and touch AVE/ΔEV to create a standard. Then press the measuring button to display the brightness difference between the standard and new reading.



Memory Mode and Latitude Display

Up to nine readings can be memorized. An indicator appears on the analog display each time a measurement is memorized. This provides a fast and simple way of retaining and analyzing shadow, mid tone and highlight exposure readings. Digital readings can be recalled and/or cleared at any time for precise exposure control.

The dynamic range of your digital camera or film can be programmed into the L-478 to create a Latitude Display that mirrors the range of your system. Set a Mid Tone from Tool Box to display the Latitude Scale. This important guide will let you know readings are within the range of your camera.



Additional Features

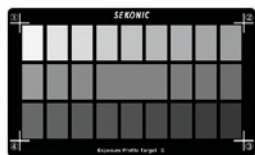
- Swivel measuring head with retractable Lumisphere (pic 1)
- Reflected light metering: with separate 5-degree reflected light attachment (pic 2)
- Thirteen custom setting provides a quick and easy setup of personal preference and expanded use.
- USB upgradeable via Data Transfer Software (in CD-ROM included)
- Two convenient AAA dry cell or rechargeable batteries can be used as the power source (pic 3).



Optional Accessories



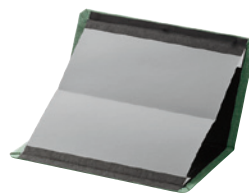
5 degree viewfinder
For accurate, reflected-light, spot measurements of specific subject areas. It is useful for distant objects such as landscapes or for metering subjects that generate light (neon signs, etc.), highly reflective surfaces or translucent subjects (stained glass, etc.).



Exposure Profile Target II
This is the test target used to create camera exposure profiles. One side consists of a central 18% gray patch that is surrounded by 25 patches arranged in 1/6th stop values, while the other side is 18% gray card for digital camera white balancing and spot metering.



Exposure Profile Target
This is more economical test target used to create camera exposure profiles. 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.



18% Gray Card
18% gray card with cover folds and fits in a shirt pocket. It provides accurate exposures regardless of reflectance ratio of the subject and surroundings.



Synchro Cord
This is a five-meter long cord with three plugs to connect with flash, light meter and camera. Cord has two male connectors and one female one. One of the male connectors has the lock function not to easily come off.

Specifications

| Type | Digital light meter for flash and ambient light | | |
|-----------------------------------|---|--|--|
| Light receptor | Incident light | Lumisphere convertible to flat diffuser (with retracted lumisphere) | |
| | Reflected light | 5-degree spot metering with optional viewfinder | |
| Measuring mode | Ambient light | Aperture priority, Shutter speed priority, TF priority, CINE, HDCine, Illuminance (lx or fc), Luminance (cd/m ² or fl) | |
| | Flash light | Cord (PC), Cordless, Radio triggering (L-478DR only) (with/without multiple cumulative) | |
| Measuring range (ISO100) | Ambient light | Incident light: EV-2 to EV22.9 | Reflected light: EV3.0 to EV22.9 |
| | Illuminance | 0.63 to 2,000,000 lx | 0.1 to 180,000 fc |
| | Luminance | 1.0 to 980,000 cd/m ² | 0.29 to 290,000 fl |
| | Flash light | Incident light: F1.0 to F128.9 | Reflected light: F2.8 to F128.9 |
| Display range | ISO | ISO 3 to 409,600 in 1/3 steps | |
| | Shutter speed | Ambient light | 30 min. to 1/64,000 sec. plus 1/200, 1/400 sec (in 1, 1/2 and 1/3 steps) |
| | | Flash light | 30 min. to 1/1000 sec plus 1/75, 1/80, 1/90, 1/100, 1/200, 1/400 (in 1, 1/2 and 1/3 steps) |
| | Aperture | F0.5 to F161.2 in 1, 1/2 and 1/3 steps | |
| | Frame rate | 1 to 1000 f/s, other possible settings: 20 types | |
| | Shutter angle | 1° to 358°, other possible settings: 20 types | |
| | EV value | EV-27.9 to EV55.8 only effective with Ambient Light | |
| | Other functions | Exposure profile, Mid.Tone function, Exposure compensation, Filter compensation, Flash analyzing function, Multiple cumulative function, Memory/clear/recall function, Average function, Contrast function, Custom setting function, Auto power OFF function, Touch panel lock function, Firmware upgrade, Frame rate/Shutter angle edit function, Battery power indicator | |
| Battery used | AAA batteries 1.5Vx2 (alkaline, manganese, lithium, nickel hydride, or nickel based) | | |
| Operating temperature range | -10 to 50°C | | |
| Storage temperature range | -20 to 60°C | | |
| Dimensions | Approx 57(W) × 140(H) × 26(D) mm excluding protrusions | | |
| Weight | Approx 130 g L-478D without batteries, 140 g L-478DR without batteries | | |
| Standard accompanying accessories | Soft case, Strap, 2 AAA dry cell batteries, Start-up guide, Anti-glare film, CD-ROM (Operating Manual and Data Transfer Software) | | |
| Optional accessories | 5 degree viewfinder, Exposure profile target II, Exposure profile target, 18% Gray card, Synchro cord | | |

Features and specifications are subject to change without notice.

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