SPEEDMASTER L-858D

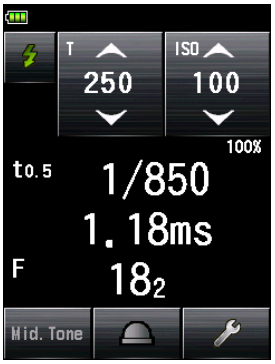
Flash Duration Measurements

Measuring the flash duration or “burn time” of a flash exposure has always been a critical part of any fast moving subject such as sports, fashion, wildlife and special effect flash photographs. Unfortunately, flash duration meters have always expensive and complicated additional pieces of gear to carry, until now. The SpeedMaster puts all that in the past with selectable flash duration measures from t=0.1 to 0.9. Setting flashes to yield the fastest or in the case of HyperSync® exposure the slowest duration can be made in a quick, precise and easy process.

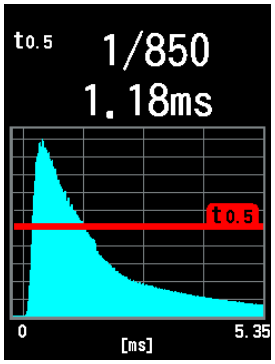
Flash duration: 1/250s

Flash duration: 1/17,800s

Flash Duration Analysis Measuring Screen



Flash Duration Analysis Graph Screen



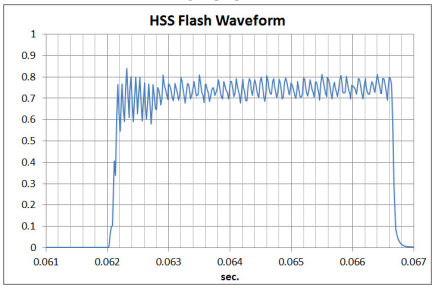
HSS Measurements

High Speed Synch exposures have always been limited in their applications, especially when it comes to the accurate flash exposures. It was impossible for the traditional meter to measure the rapid burst of flash output for HSS.
The L-858D HSS measurement capability is a game changer for HSS shooters, especially when the shot involved multiple HSS flash units.

Normal Synch Flash

HSS Flash

Typical HSS Flash Waveform



Five Wireless Triggering/Power Control System Available

The L-858D has an optional wireless plug-in radio module that offers a wireless solution for triggering and/or flash power control. The L-858D offers many of the features available to wireless shooters including selective zone/group triggering, multi-channel selection and even camera triggering. There are five different wireless modules compatible with each radio brand system:

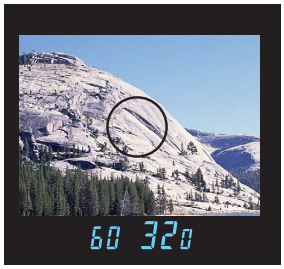
Individual Transmitters Available

	RT-20PW	RT-3PW	RT-EL/PX		RT-BR	RT-GX
Radio System	PocketWizard	PocketWizard	elinchrom (EL-Skyport)	Phottix	broncolor RFS2.1	Godox
Radio Frequency & Channels/ Studios	FCC&IC: 340-354MHz 20 Channels (ControlTL), 32 Channels (Standard)	CE:433.42-434.42MHz 3 Channels (ControlTL), 32 Channels (Standard)	2.4GHz 20 Channels	2.4GHz (Strato II protocol) 4 Channels	2.4GHz 99 Studios	2.4GHz 32 Studios
Zones/Groups	3 Zones (A to C) (ControlTL) 4 Zones (A to D) (Standard)	3 Zones (A to C) (ControlTL) 4 Zones (A to D) (Standard)	4 Groups (G1 to G4) plus ALL	4 Groups (A to D) for Phottix Strato II protocol	40 Lamps (1 to 40) plus ALL	16 Groups (A to F, 0 to 9) plus ALL with Wireless ID (1 to 99 or OFF)
Flash Power Control	Yes	Yes	Yes	No (triggering only)	Yes	Yes
Modeling Lamp Control	Yes (ON/OFF only)	Yes (ON/OFF only)	Yes (Power control)	No	Yes (ON/OFF only)	Yes (Power control)

SPEEDMASTER L-858D

The Only light meters that show you the Dynamic Range of your D-SLR. 1 Degree Spot with Digital Display:

The rectangular 1° spot viewfinder displays f-stops, shutter speed, percentage of flash and much more with an EL (Electronic-Luminescent) digital display. It incorporates a parallax-free spot finder preventing erroneous close-up photography light measurements. It can instantly be switched from incident to spot measurement mode. With its super sensitive sensor, the L-858D can measure the reflected flash output down to an amazing f/1.0 and ambient measurements as low as EV-1. In addition, it also included an adjustable diopter eyepiece.



Exposure Profiling:

Because every digital camera, lens, and software is unique in its capability to capture and process light, each can produce differences in the tonal range (dynamic range) and exposure of an image. Knowing the limits of your camera's capabilities enables making better exposures with less post-processing, and ensures you'll get what you see. Sekonic's pioneering Data Transfer Software allows quick dynamic range mapping and camera/meter calibration for the most precise control of light. Create and store up to ten camera exposure profiles with Sekonic, X-Rite or datacolor brand calibration targets.

Flash Analyzing Functions:

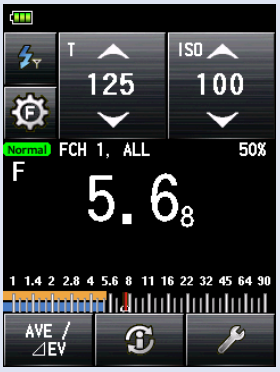
In normal flash modes, the L-858D simultaneously reads both flash and ambient light automatically in order to analyze and display the exposure data in 3 convenient ways:

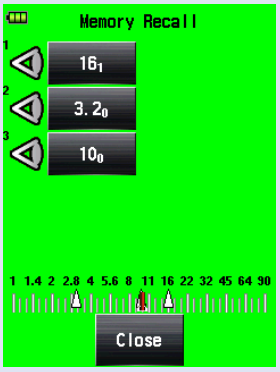
- ✓ **Combined readings (aperture) of flash and ambient light**
- ✓ **Percentage of flash in the total exposure**
- ✓ **Simultaneous display of flash, ambient and combined readings on the analog scale.**

Flash 80%

Flash 60%

Flash 20%



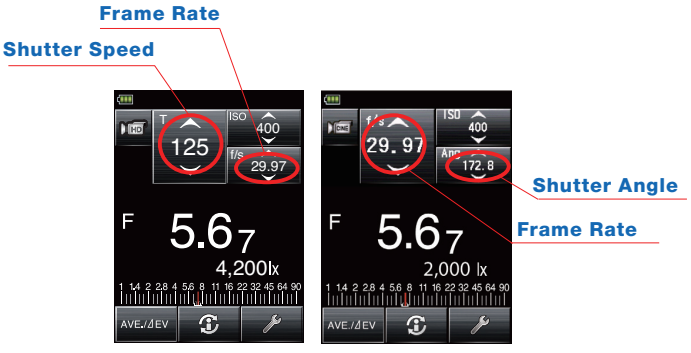


Memorize Up To Nine Readings and Mid-Tone Adjustment

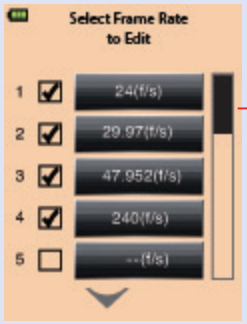
The L-858D can memorize measured values in both incident and reflected modes independently or combined. When the memorized values are combined it is possible to take a mid-tone measurement using the Lumisphere in incident mode, then take a spot highlight, and shadow measurement by simply switching to reflected measuring mode. Highlight and shadow tones can be measured and quickly viewed to determine if there are within the Dynamic range or Clipping points of the digital camera or type of film being used. In addition, the Mid.Tone value can be shifted to adjust the highlight or shadow to be within the range required.

Enhanced HD Cine / Cine Features

Today's digital cameras offer both still and motion capture. Offering shooters seamless cross platform media capabilities, these cameras provide a variety of uses in a single production. To complement sophisticated cameras, the L-858D has two motion capture modes in addition to still capture to accommodate any shoot. Touch to set shutter speeds and frame rates for HD-Cine cameras or quickly select frame rates and shutter angles for Cine cameras. Creating unique frame rates and shutter angles for special effects is just a finger tip touch away.

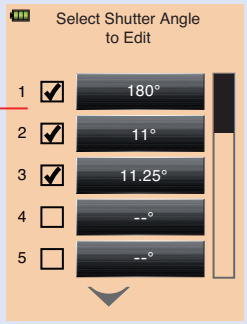


HD CINE Mode **CINE Mode**



Select Frame Rate to Edit

Measuring Screen (CINE Mode)



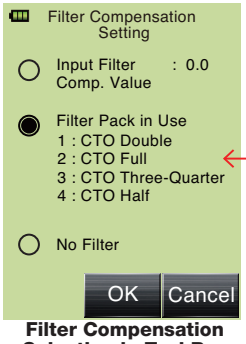
Select Shutter Angle to Edit

Infinite Frame Rate/ Shutter Angle

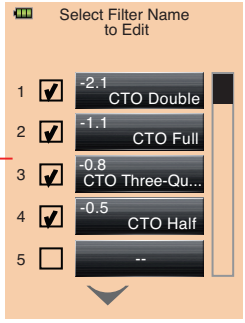
Special effects and light sources can push standard camera settings to their limits. That's why the L-858D also allows creating unique frame rates and shutter angles up to 20 user-costumized values to enable precise exposure and lighting, producing the very best images and reducing time in post-production.

Unique Filtration Compensation Mode

Like all light and exposure meters, the L-858D is 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-858D to instantly call up light-source or camera filtration expressed in industry standard 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.

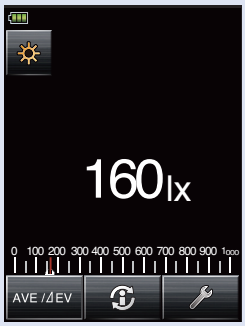


Filter Compensation Selection in Tool Box



Edit Filter in Menu

Brightness along with exposure



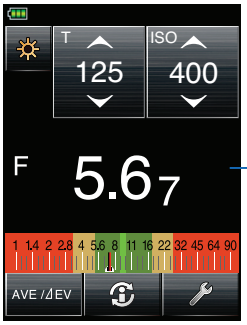
Brightness alone (Lux mode)

Illuminance or Luminance Measurement

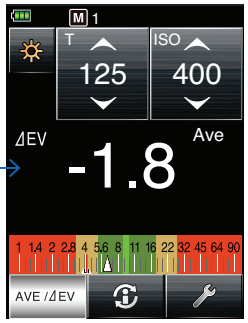
Brightness measurements in Lux or FC (Foot Candles) and Cd/m2 or FL (Foot Lambert) position the L-858D as a major player on movie sets around the world. It can display brightness along with exposure measurements or just brightness alone.

Contrast Function

The L-858D continuous measurement mode provides a contrast range measurement to evaluate the overall lighting conditions. In addition, you can also check lighting ratios or the evenness of an illuminated background, scene or light source. Changes in the measured values are related to a saved measurement such as the center of a background or key light by pressing AVE/ΔEV icon.



Key Light



Fill Light (Brightness Difference)

All Weather Design

All buttons, switches and compartments are sealed and the housing has been design to endure rugged outdoor conditions. Ideal for on-location shooting, at the beach, in the rainy or in humid environments. Dust-proof and splash-proof (JIS Standard Water Resistance Class 4)