

CRITICAL COLOR, CRITICAL EXPOSURE

KFM-1100 AUTO DIGI METER



KFM-2100 FLASH METER



KCM-3100 COLOR METER





Meter it, Shoot it right. Control white balance and dynamic range.

Measuring light to predict its effect on the image is essential in professional photography. Light. Without it, there is no image. Regardless whether the camera uses a digital sensor or film light is required to create an image.

To assist photographers in this endeavor KENKO Co. has introduced a line of professional light meters. These precision instruments accurately and faithfully measure light and one measures color temperature. Thus providing information that is essential in creating an image the photographer expects.

All three meters are based on world-class patented technology encased in an ergonomic, easy-to-use form that feels good in your hand. The layout of the controls is simple, giving quick and easy access to all of their functions.

These meters are highly advanced, easy-to-use and accurate.



Kenko KFM-1100 AUTO DIGI METER

KFM-1100 AUTO DIGI METER For Both Flash and Ambient Light Readings Simple, Easy-to-Use, Accurate.



Ambient Light Readings

The KFM-1100 shutter speed can be selected in a range from as long as 30 minutes to as fast at 1/8000 of a second (This range is selectable in full stop, _ stop or 1/3 stop increments). The light reading is displayed on the meter's LCD window as both digital and analog data. If you wish to select a different shutter speed after a reading is taken, the aperture reading will automatically change accordingly. The KFM-1100 can read a very wide range of light from the very low equivalent EV -2.0 to EV 19.9 (incident light based on ISO 100). The meter can also be set to a Cine mode to be used with Cine cameras and display light readings from 8 to 128 frames/sec.



KFM-1100 AUTO DIGI METER

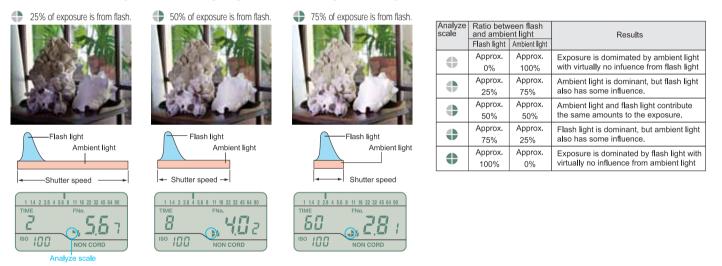
Flash Light Reading

When using with flash, select Cord or Non-Cord depending on the shooting conditions. For Cord setting, connect the Flash sync-cord to the Sync Terminal in the front of the KFM-1100 then a light reading can be taken by simply pressing the Measurement button on the side of the meter. When using a non-cord set-up, pressing the measurement button sets the meter in stand-by mode. When the flash is fired manually, the meter takes a reading.



Analyze Function

When taking readings in mixed flash and ambient lighting, the KFM-1100 can measure the flash and ambient light almost simultaneously. The percentage of flash light in the over-all exposure is then displayed in the analyze scale on the LCD. The analyze scale is divided into 4 sections, each section represents flash contribution of approximately 25% of the total lighting. For example, if 3 sections of the analyze scale are lit, the flash to ambient light ratio is approx. 75% flash to 25% ambient. After taking a reading, the shutter speed can be changed and the meter will recalculate the exposure. Setting a slower shutter speed would result in a greater ambient to flash ratio. Setting a faster shutter speed would result in a lesser ambient to flash ratio. The analyze scale helps you balance the 2 sources of lighting for more predictable results, so you can set the lighting and exposure to get the look you want.



Calculation Function

The KFM-1100s calculation function can be used to average readings stored in memory or bias exposures toward shadow or highlights when taking reflected light readings. This allows for more accurate recording of shadow or highlight detail.





Note: Examples shown to the right require the 5 degree spot attachment in the ambient mode.





KFM-1100 AUTO DIGI METER



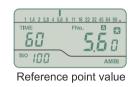
Memory

The KFM-1100 has memory slots to store 2 separate readings. Both stored readings and the current reading are displayed simultaneously in the analog scale. Memory markers also show the number of stored readings. Having readings stored in memory makes it easier to analyze the contrast range of your subject, the lighting ratio or viewing several separate readings in relation to one another.



Monitor Function

The KFM-1100 has a brightness difference function that can be used to adjust lighting ratios or check for background light uniformity, very useful for product photography, portraits, etc. Checking for lighting uniformity across the entire seen is a critical use for light meters. Simply take a reading on your main reference point, then press the S/A/H button and then take reading on the other areas of the scene. The meter will display the brightness differences in term of +/- EV in 0.1 EV increments.





Difference for other measured point

Custom Settings

At any time you can set the display readings to your liking for: Selecting the shutter speed stops (1, _, 1/3 stops) Selecting the F no. Display mode (F number + 0.1 increment intermediate value display, or just F number direct reading display) Selecting the exposure correction value (EV – 10 to 10)

Names of parts

1. Light Receptor Head 270 Degree swivel, accepts flat diffuser

2. Power button

3. S/A/H (shadow / average / highlight) button

Sets the KFM-1100's calculation function; desired function is selected using the up/down dial. (Shadow / highlight available only for reflected-light measurements.)

4. MEMORY button

Stores the current reading in memory. 2 measurements can be stored.

5. LCD Data panel Large, Easy-to-read LCD to give you the information you need at a glance.

6. ISO button For setting the main ISO using the up/down dial on the side of the meter

7. Display-selector button

Changes display units between an f-number and an EV readout.

8. MODE button

Changes the measuring mode between Ambient, Cord and Non-Cord

9. Measuring button

For taking light readings

10. Up/Down control

For adjusting shutter-speed and ISO values: Shutter-speed range: 1/8000 sec. -30min. in 1/3-stop increments (ambient); 1/500-1 sec. in 1/3-stop increments (flash) Cine-speed range: 8-128 frames/sec.

11. Battery cover

12. Sync terminal For Corded flash readings

13. Accessory-receptor jack



Sphere Diffuser (Standard accessorie)



Specifications

Туре:		Hand-held exposure meter for measuring ambient and flash light		
Reception Method:	Incident-light readings			
Receptors:	Incident: Spherical Diffuser			
	- 270 rotating receptor head			
Receptor element:	Silicon photocell			
Measuring modes:	AMBI: Ambient light			
	CORD: Flash light and flash bulb light using a sync cord			
	NON.CORD: Flash light without a sync cord			
Measuring range (ISO 100):	Ambient light Incident	EV -2.0 to 19.9		
	Flash light	Incident-light readings:		
Repeatability:	±0.1 stop			
Calibration coefficient:	Incident: C = 330 (Spherical Diffuser)			
Display range:	ISO:	3 to 8000 (1/3 stop increments)		
	Shutter speed (ambient):	30 min. to 1/8000 sec. (1, 1/2, 1/3 stop increments)		
	Shutter speed (flash):	1 sec to 1/500 sec. (1, 1/2, 1/3 stop increments)		
	Framing rate:	8 to 128 f/s		
	Exposure:	F1.0 to 90+0.9 stop (0.1 stop increments)		
	Ev:	-17 to 40.8 (0.1 stop increments)		
	Exposure difference:	-10 to +10 (0.1 stop increments)		
	Analog scale:	FNO. 1.0 to 90 (1/2 stop increments)		
	Analyze scale:	Flash light proportion 0 to 100% (25% increments)		
Other functions:	Memory, S/A/H calculation, brightness difference			
	Analyze function for calcula	ating ratio of flash light to ambient light		
Power:	One AA alkaline dry cell (LR-6/1.5 V)			
Battery life:	Approx. 50 hours: continuous reading in AMBI mode using alkaline dry cells			
Operation temperature and relative	-10 C to 50 C (14 F to 122 F) Relative humidity 85% max. [at 35 C (95 F)],			
humidity range:	no condensation	no condensation		
Storage temperature range:	-20 to 55°C (-4 F to 131 F) Relative humidity 85% max. [at 35°C (95 F)], no condensation)			
Others:	Accessory-receptor jack (with cap)			
	Display correction function -10.0 to +10.0Ev			
	Sync terminal			
Dimensions:	57 (W) x 157 (H) x 26 (D) mm			
Weight:	135 g (4.7 oz.) excluding battery			
Standard accessories:	Spherical Diffuser, neck strap, case, a single alkaline dry cell (note)			

(Note) The single alkaline dry cell is only for products marketed in Japan. Specifications and external appearances described herein are subject to change without notice.

Optional Accessories



Flat Diffuser

This diffuser is used to measure the lighting ratio between main and auxiliary light sources to determine illuminance values, and to take exposure readings for flat surfaces such as paintings.



Spot Finder 5°

Viewfinder 5° feature 5° angles of acceptance respectively, and enable spot metering of subjects from a distance . The meter can thus be used to accurately measure small areas of a scene.



Reflected-Light Attachment II The reflected-light attachment has 40° angle of acceptance, which corresponds to the angle of view seen with a 50mm lens on a 35mm SLR camera.



KFM-2100 FLASH METER

KFM-2100 FLASH METER Flash Meter With Integrated Spot Meter



Flash Meter With Integrated Spot Meter

The Kenko KFM-2100 is an exposure meter that incorporates both flash and spot metering functions into one compact unit.

The KFM-2100 can simultaneously display an exposure reading on the flash meter (for measuring incident light) and an exposure reading on the spot meter (for measuring reflected light).

But its more than one simple easy-to-use integrated system that fits comfortably in your hand. It also incorporates the Exposure Navigation System, which displays information on the LCD that helps you determine the proper exposure for a scene.

Exposure Navigation System

The KFM-2100 allows you to confirm the exposure of each part of a scene being photographed. Conventionally, a photographer relies mainly on their experience and expertise when determining exposures. However, the KFM-2100 can emulate the decision making process on the LCD, guiding you to the exposure best suited to a particular photograph.

Ergonomic and Stylish

The KFM-2100 flash meter is a professional instrument that feels good in your hand and has controls that are logical and well laid out for ease of use.

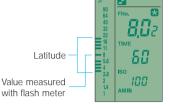
Latitude Display Function

Lattitude is the degree to which you can over or under expose an image and still have acceptable image quality from the exposure. This concept is as critical with digital photography as with film. (Hint: Use your Digital Camera's RAW setting for widest possible latitude also referred to as Dynamic Range, but a typical digital SLR's sensor has about a + or - 2 stop latitude range, making it similar to photographing with color negative film.)

The latitude or difference in exposure between the brightest highlight areas of a scene and the darkest shadow areas can be determined by the KFM-2100 to make better informed lighting and exposure choices with the latitude function and built-in 1° spot meter.

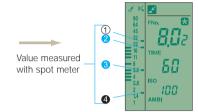
Note: Latitude and Dynamic Range can vary widely with different Digital SLR sensor types or different film types. Before using the KFM-2100 specify the correct latitude for the Digital camera or film being used.





*"I atitude" represents a film's effective exposure range. Normally, when a target object with extremely bright and dark areas is printed as a photograph, the bright areas are saturated with white and the dark areas are saturated with black. This phenomenon occurs when the contrast between the bright and dark areas exceeds the latitude of the film.

Generally, color reversal films provide a latitude of about five stops. If the difference in brightness of the target object (difference in the spot meter's measured values) exceeds five stops, the bright and dark areas will be saturated white and black, respectively, when reproduced on film.



Check if the measured values 2 and 3 are within the specified latitude.

Viewfinder

The KFM-2100 can display digital readings, not just in the LCD on the front of the meter, but on in a LCD display in the viewfinder window as well. This allows light reading to be seen while still looking through the viewfinder. The meter also has dioptric adjustments for more comfortable viewing.

Vertically Oriented LCD

The KFM-2100 flash meter has a large, easy-to-read vertical LCD that displays F No. as a large number value with a 1/10 intermediate stop as a smaller number next to the full stop aperture value. Or, the meter can be set to display the aperture in _ or 1/3 stop increments. A vertical analog scale along the side of the display also provides the same aperture information when taking basic readings.

Memory

The KFM-2100 flash mater has memory slots to store 10 separate readings. Both stored readings and the current reading can be displayed simultaneously in the vertical analog scale. Memory markers also show the number of stored readings. Having readings stored in memory makes it easier to analyze the contrast range of your subject, the lighting ratio or viewing several separate readings in relation to one another.

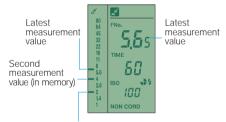
Ambient Light Reading

The KFM-2100 flash meter's shutter speed can be selected in a range from as long as 30 minutes to as fast at 1/16,000 of a second (This range is selectable in full stop, stop or 1/3 stop increments). The light reading is displayed on the meter's LCD window as both a digital and analog data. Once a reading is taken if you wish to change the shutter speed the aperture reading will automatically change accordingly. The KFM-2100 can read a very wide range of light from the very low equivalent EV -2.0 to 19.9 (incident light based on ISO 100). The meter can also be set to a Cine mode to be used with Cine cameras and display light readings from 8 to 128 frames/sec.

Flash Light Reading

When using with flash, select Cord or Non-Cord depending on the shooting conditions. For Cord setting, connect the Flash sync-cord to the Sync Terminal in the front of the FKM-2100 flash meter then a light reading can be taken by simply pressing the Measurement button on the side of the meter. When using a non-cord set-up, pressing the measurement button sets the meter in stand-by mode. When the flash is fired manually, the meter takes a reading.





First measurement value (in memory)





KFM-2100 FLASH METER

Analyze Function

When taking readings in mixed flash and ambient lighting, the KFM-2100 can measure the flash and ambient light almost simultaneously. The percentage of flash in the over-all exposure is then displayed in the analyze scale on the LCD. The analyze scale is divided into 4 sections, each section represents flash contribution of approximately 25% of the total lighting. For example, if 3 sections of the analyze scale are lit, the flash to ambient light ratio is approx. 75% flash to 25% ambient. After taking a reading, the shutter speed can be changed and the meter will recalculate the exposure. Setting a slower shutter speed would result in a greater ambient to flash ratio. Setting a faster shutter speed would result in a lesser ambient to flash ratio. The analyze scale helps you balance the 2 sources of lighting for more predictable results, so you can set the lighting and exposure to get the look you want.

Analyze scale	Ratio between flash and ambient light		Results
	Flash light	Ambient light	
•	Approx. 0%	Approx. 100%	Exposure is domimated by ambient light with virtually no infuence from flash light
•	Approx. 25%	Approx. 75%	Ambient light is dominant, but flash light also has some influence.
•	Approx. 50%	Approx. 50%	Ambient light and flash light contribute the same amounts to the exposure.
•	Approx. 75%	Approx. 25%	Flash light is dominant, but ambient light also has some influence.
•	Approx. 100%	Approx. 0%	Exposure is dominated by flash light with virtually no influence from ambient light

Calculation Function

The KFM-2100 flash meter has a calculation function that can be used to average readings stored in memory or bias exposures toward shadow or highlights when taking reflected light readings. This allows for more accurate recording of shadow or highlight detail.



First reading

Shadow biasing





Highlight biasing

Names of parts

1 Receptor head

Swivels 270° and accepts the Flat Diffuser

- 2 Power button
- 3 Viewfinder
- 4 Spot (reflected-light) measurement button
- 5 Incident-light measurement button

6 Data panel

Easy-to-read to give you the information you need at a glance.

7 Up/down dial

Used to set various values, such as ISO, shutter speed, calculation mode, etc.

8 ISO button For setting the main ISO using the

up/down dial.

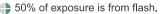
9 LATITUDE button Sets the Latitude display and monitor functions to standby.

10 MODE button

Changes the measuring mode.









75% of exposure is from flash.





Shutter speed

Shutter speed

Flash light Ambient light

Analyze scale





Second reading in memory

Average exposure

11 Instant-film ISO button

For setting a secondary ISO (such as that of instant film for test shots) and displaying the exposure based on this ISO.

12 Clear button

Clears all measurement data from memory and cancels the standby status of the latitude display and brightness difference functions.

13 S/A/H (shadow / average / highlight) button Sets the Flash Meter VI's calculation function; desired function is selected using the up/down dial. (Shadow / highlight available only for reflected-light measurements.)

14 MEMORY button

Stores the present measurement in memory. Up to 10 measurements can be stored.

- 15 Sync terminal
- 16 Battery chamber cover

Specifications

-						
Туре:		sure meter for measuring am				
Reception method:	Incident-light and spot reflected-light readings					
Receptors:	Incident-light readings: Spherical Diffuser, Swivels 270 Spot reflected-light: angle 1					
Receptor element:	Silicon photocell					
Measurement modes:	AMBI: Ambient light					
	CORD: Flash ligh	nt measurement with the syn	c cord			
	NON.CORD: Flash light without using a sync cord (for incident-light reading only)					
Measuring range (ISO 100):	Ambient light	Incident-light readings:	EV -2.0 to 19.9			
		Spot reflected-light:	EV 2.0 to 24.5			
	Flash light	Incident-light readings:	FNO. 1.0 to 128 + 0.9 stop			
		Spot reflected-light:	FNO. 2.8 to 128 + 0.9 stop			
Measuring Distance:	•	∞) (for spot measurement)				
Viewfinder:		t type with fixed focal point				
	Magnification: 1					
		2 (vertical) x 17 (horizontal)				
		ent range: -3.0 to +1.0				
Repeatability:	+/- 0.1 EV					
Calibration coefficient:	Incident-light rea		•			
	C = 250 (Flat Diffuser)					
	Spot reflected-light: K = 14					
Display range:	Exposure: F 1.0 to 128 + 0.9 stop (0.1 stop increments)					
	EV: -17 to 40.9 (0.1 stop increments)					
	Shutter speed (ambient): 30 min. to 1/16000 sec. (1, 1/2 or 1/3 stop increments) Shutter speed (flash): 30 min. to 1/1000 sec. (1, 1/2 or 1/3 stop increments) Frame rate (Opening angle of 180): 8,12,16,18,24,25,30,32,64,128 ISO: 3 to 8000 (1/3 increments)					
			romonto)			
	Exposure difference: -10 to +10 (0.1 stop increments)					
	Analog scale: FNO. 1.0 to 90 (1/2 stop increments) Analyze scale: Flash light proportion 0 to 100%(25% increments)					
Other functioner	•					
Other functions:	Latitude display function, Light Ratio Analyze function, Memory function (10 measure values), S/A/H calculation, Brightness difference function,					
	Exposure correction function: -10 to +10 (0.1 stop increments)					
Others:	Sync terminal		stop increments)			
Power:	*	dry cell (I R-6/1 5 V)				
Battery life:	One AA alkaline dry cell (LR-6/1.5 V) Approx. 30 hours : Continuous operation for ambient light/incident light measurement,					
	with alkaline dry					
Operating	-10 C to 50°C (14 F to 122 F)					
temperature/humidity range:	Relative humidity 85% max. [at 35°C (95 F)], no condensation					
Storage temperature/humidity range:						
		85% max. [at 35°C (95 F)],	no condensation			
Dimensions:	66 (W) x 175 (H) x 31 (D) mm					
Weight:	185 g (6.5 oz) excluding battery					
Accessories:	strap, case, a single alkaline dry cell (note)					

(Note) The single alkaline dry cell is only for products marketed in Japan. Specifications and external appearances described herein are subject to change without notice.

Sphere Diffuser (Standard accessorie)



Optional Accessories



Flat Diffuser

This diffuser is used to measure the lighting ratio between main and auxiliary light sources to determine illuminance values, and to take exposure readings for flat surfaces such as paintings.



Because Color is Critical

Knowing the color temperature before taking a photograph saves you time and money

Even in the world of digital photography, it is critically important to know the color temperature of every light source present in a scene. Are all lights giving the same color temperature? Even the same model of flash tubes or continuous lights can shift color over time and use.





Ambient Light Readings

First set the appropriate film type, choose the display mode and memory channel (if present). Set the Mode switch to "AMBI", then simply aim the meter's light receptor at the scene and press the measurement button. Measurement readings will be calculated and appear in the almost immediately and color temperature measurements will be taken as long as the measurement button is held down. The KCM-3100's measuring range for ambient light is EV 3 to 16.3 using ISO 100.



Tungsten light (Daylight film), 80A filter and 82B filter





Three Display Modes

LB (Light Balancing) and CC (Color Compensating) Indexes

The LB index is used to select the right amber or blue LB filter needed to balance a light source. Its measurement is the mired difference between the photographic color temperature specified for the selected film type and the temperature of the light source. The CC index is the value of the required magenta or green colored CC filter.

Filter number and CC index

The Kodak Wrattan light balancing filter number (or numbers) needed, display directly in the LCD to make easy selection of amber or blue LB filter (s). The CC index is the value of the required magenta or green colored CC filter.

Photographic Color Temperature

The photographic color temperature of the light source is measured in degrees Kelvin and determined according to the spectral sensitivity of color films.

Flash Light Readings

First set the appropriate film type and choose the display mode. Set flash range selctor switch to Hi or Lo depending on the output of the flash unit (s), set the shutter speed to be used (from 1 sec. to 1/500 sec.). The total flash measurement range is from f/2.8 to f/180 at ISO 100.

Flash Reading With Sync Cord

For Sync Cord setting, set the mode selector switch to "CORD" and connect the flash sync-cord to the Sync Terminal in the front of the KCM-3100, Then a temperature reading can be taken by simply pressing the Measurement button on the side of the meter. The flash will then fire, a measurement will be taken and the measurement reading will appear in the LCD display.

Flash Reading Without Sync Cord

When using a non-cord flash set-up, set the mode selector switch to " NON.C. " Pressing the measurement button sets the meter in stand-by mode. When the flash is fired manually, a measurement will be taken and the measurement reading will appear in the LCD display.

Analyzer Mode for Flash Light Measurements Only

By setting the shutter speed to "F", the KCM-3100 will only display measurement readings for the light from a flash.

Flash and fluorescent light (Daylight film), 8IC filter and 30M filter

Useful Shutter Speed Range

A selectable range of shutter speeds from 1 full second down to a fast 1/500 of a second set in full stops for flash measurement. Lighting for Flash photography usually is made up of a combination of flash and ambient light. The KCM-3100 measures the "mixed" lighting at the selected shutter speed. After measurement the shutter speed set in the meter can be changed which effectively changes the ratio of ambient light to flash. The meter will automatically recalculate the results and display the new reading for the new shutter speed





1/500 sec.





1/15 sec.





1 sec.

Examples of changes in image color due to changes in shutter speed (Daylight film, no filter; meterdisplays show suggested filtration for "normal" color reproduction)









KCM-3100 COLOR METER





Names of parts

1. Receptor diffuser 270 degree swivel with buit-in white flat diffuser

2. LCD Data display

3. Power Button

4. Memory Channel (M-CH) Button Press and hold to access and select memory channels using the up/down control

5. M (Memory) Button

Press and hold to change Data in memory using the up/down control

6. DISPLAY Button

The button changes the display mode in the set following order. ... \rightarrow LB/CC indexes \rightarrow Filter Number/CC index \rightarrow Photographic color temperature \rightarrow LB/CC Index...

7. Sync Terminal

8. Measuring Mode Switch

Selects Measuring Mode

"AMBI" – Ambient Light Measurement

"CORD" - Flash Measurement with Sync Cord

"NON.C" - Flash Measurement without Sync Cord

9. Measuring Button

10. Up/Down Control

Changes shutter speed in "**CORD**" and "**NON.C**" modes. Changes memory channel with used Memory Channel button. Changes data in Memory when used with memory button.

11. Flash Range Switch

Sets range for flash measurements Lo: f/2.8 to f/22 Hi: f/22 (approx.) to f/180

12. Film-type Switch

Selects film type

- D: Daylight film balanced for 5500K
- ${\bf B}{:}$ Type B tungsten film balanced for 3200K
- A: Type A tungsten film balanced for 3400K

13. Filter Tables

14. Battery chamber cover

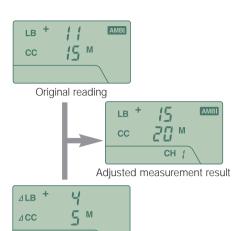
The KCM-3100 uses 2 AA sized Alkaline or carbon zinc batteries

KCM-3100 COLOR METER

Nine memory channels for customizing the meter to your working style

Film and lighting equipment manufacturers all claim that their products are balanced to "daylight" (5500K) or "tungsten" (3400K or 3200K). However, their testing is performed in laboratories under highly controlled conditions. We live and photograph in the real word. CCD and CMOS sensors from different manufactures read and interpret color differently. Film from different manufacturers render color differently. Different batches of the same film render color differently. Different lighting equipment renders color differently. The quality and age of that equipment is also a factor. The sun cannot even be relied upon, rarely shines at a perfect (5500K) and can vary widely depending on time of day, weather and pollution in the air.

The KCM-3100s nine memory channels make coping with these challenges much more simple. Once you determine the correct filt ration for the film or equipment being used you can simply enter the difference between your filt ration and the meter reading into the meter's memory. The meter will adjust all future reading accordingly. There are enough channels to create and





Specifications

Туре:	Three-color digital color meter for color photography;
	determines filtration required and photographic color temperature of light sources
Receptor head:	Rotating (90° to right/180° to left) receptor head containing three silicon photocells
	(filtered to red, green, and blue sensitivities appropriate for color photography)
Measurement modes:	Ambient (AMBI); flash (CORD, NON.C)
Measuring range (ISO 100):	Ambient: EV 3 to 16.3; Flash: f/2.8 to 180 (in two ranges)
Shutter-speed setting range:	1 to 1/500 sec. in 1-stop increments
(for flash measurements)	
Display:	Liquid crystal (LCD)
Display modes:	LB index and CC index; LB filter number and CC index; photographic color temperature
Display range:	LB index: -500 to 500 mireds CC index: 200G to 200M
	LB filter number: 8OA + 80D to 85B + 81EF
	Photographic color temperature: 1600 to 40,000K
Analyze function:	Determines measurement values for only flash light in mixed flash/ambient situations
Memory function:	9 memory channels for storing correction values to adjust calculated filtration (LB index and CC
	index); stored values automatically added to initially calculated values before display of results
	Correction-value range: ALB:-100 to + 100 mireds;
	ΔCC: 100G to 100M
Repeatability:	LB index: 2 mireds CC index: 2 digits
	Photographic color temperature: Corresponding to 2 mireds
Power source:	2 AA-size batteries
Operation temperature range:	-10 to 50°C (14 to 122°F)
	Relative humidity 85% or less. (at 35°C, no condensation)
Storage temperature range:	-20 to 55°C (-4 to 131°F)
	Relative humidity 85% or less. (at 35°C, no condensation)
Dimensions:	70 (W) x 170 (H) x 28 (D) mm
Weight:	185 g (6.5 oz) excluding battery
Standard Accessories:	Case, strap

(Note) The single alkaline dry cell is only for products marketed in Japan.

Specifications and external appearances described herein are subject to change without notice.



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