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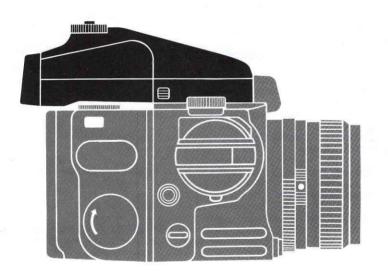




AEプリズムファインダー AE Prism Finder Viseur Prisme AE AE Prismensucher

[FE401]

プリズムファインダー Prism Finder Viseur Prisme Simple Prismensucher [FP401]



日本語

English Deutsch Français 使用説明書

Instructions

Bedienungsanleitung Mode d'emploi

English Specifications

Viewfinder

: Both the Prism Finder FP401 and AE Prism Finder FE401
• Feature roof prisms and an unreversed, laterally correct im-

age. Image magnification is 0.79X (with 80mm f/2.8N standard lens) with a built-in 2.5X magnifier.

[The following specifications apply to the AE Prism Finder FE401.]

Metering System

: There are three metering modes — Average (AV), Spot (SP) and Auto-shift (AUTO A-S).

Aperture Range : EV1 (f/2.8 dard lens

EV1 (f/2.8, 4 sec.) to EV19 (f/22, 1/1000 sec.) with f/2.8 stan-

Shutter Speed Range : Auto: 8 se

: Auto: 8 sec. ~ 1/1000 (1/6 intervals)

Manual : 4 sec. ~ 1/1000 (full stop intervals)

Exposure compensation: ±3 stops with click stops at 1/3 stop intervals.

Viewfinder LED display: In the metered automatic mode, flashing LED

In the metered automatic mode, flashing LEDs indicate full f/stop shutter speeds, while, for intermediate exposure times two shutter speeds will simultaneously illuminate and flash.

two shutter speeds will simultaneously illuminate and flash. Overexposure will be indicated by flashing LEDs which spell out "OVER" while underexposure will be indicated by "LT".

In the metered manual mode, preselected shutter speeds will illuminate flashing LEDs, while the correct shutter speed will blink slower. This display will illuminate for only 10 seconds and will then automatically stop to conserve battery power. When batteries are low, LEDs will flash a warning.

AE Lock

: When the shutter speed dial on the camera is set to the AEL position, the exposure reading is stored in the AE Prism Finder.

Attaching and Removing the Finder

Attaching

Insert the two Attaching Latches on the front of the finder into the mounting holes on the front of the camera body, as illustrated. Then, depress the finder until the back of the finder clicks into place and firmly locks.

Removing

Push the Finder Lock Release Button while pushing down on the button on the opposite side. The finder then can be removed from the camera body.

Using AE Prism Finder FE401

[1] AE Photography

1. To switch to the AE mode, align "A" on the Shutter Speed Dial on the camera body with the index. (Fig. 1)

- Make sure that you have properly set the speed of the film which you have loaded, on the ISO Dial of your roll film holder. (Fig. 2)
- 3. Before metering, make sure that the lens A-M Lever is set at "A". When set at

"M", correct exposure cannot be obtained. Also make sure that the Exposure Meter Coupler engages properly with the Aperture Ring coupling Pin. If they are not engaged properly, correct exposures cannot be obtained. (Fig. 8)

4. For Average Metering set the Meter-

- ing Mode Selector to "AV", for Spot Metering set to "SP" and/or for AV-SP Autoshift Metering set to "AUTO A-S". (Fig. ☑) ★ When "AV" is used, exposure is measured over the entire picture frame and averaged, while at "SP" only the central area is measured. When "AUTO A-S" is selected, average or spot metering will be automatically selected ac-
- ensuring accurate exposures.

 5. After selecting the aperture, depress the Shutter Release Button half way and LEDs will illuminate in the viewfinder, indicating either the metering mode "AV" or "SP" and the correct shutter speed for the preselected aperture.

cording to the lighting condition, thus

 \bigstar If during AE photography, two shutter speeds illuminate simultaneously in the

Power Supply : Battery in the camera body.

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viewfinder the shutter will make an exposure at an intermediate speed. For example, when speeds 1/60 and 1/125 sec. illuminate simultaneously, the shutter will expose at a speed between 1/60 and 1/125 sec. In the manual mode, intermediate

[2] Manual Photography

1. Set the Shutter Speed Dial to a position other "AE" or "AEL". (Fig. 5)

speeds are indicated as correct values.

When pressing the Shutter Release Button half way, the correct shutter speed for a preselected aperture will blink in the viewfinder (when two speeds blink, an intermediate speed is selected), and the shutter speed set on the body will illuminate.

- 2. In order to obtain a correct exposure. adjust the lens Aperture Ring or turn the Shutter Speed Dial until there is only one shutter speed illuminating in the viewfinder.
- ★ Please note: 10 seconds after activation, the LEDs will go out. If they do so

during metering, press the Shutter Release Button half way again.

[3] AEL (AE Lock) Photography

The AEL position is very useful when making selective exposure measurements of important subject areas which are not in the center. Although AEL can be used with any metering mode, it is most effective with spot metering.

- 1. Set the Shutter Speed Dial on the camera body to the AEL position. (Fig. 6)
- 2. While looking through the viewfinder. center the most important part of the subject in the center circle while keeping the Shutter Release Button depressed half way. In this state, the exposure reading is memorized. After adjusting for composition as desired, release the shutter.

[4] Exposure Compensation Dial

While pressing the Lock Release Button in the center of the exposure compensation dial, turn the dial to select the desired compensation value. Within ±3 EV the dial stops at 1/3 clickstop intervals. Turning the dial in the "+" direction increases exposure

(OVER), while turning it in the "-" direction decreases exposure (UNDER). The Exposure Compensation Dial can be used not merely for exposure compensation under special shooting conditions, but also for special lighting techniques. (high key, low key, etc.) (fig 2)

★ When the AE Prism Finder is used with 300mm f/5.6N lens at AVmode, be sure to compensate the exposure -2/3 EV by rotating the Exposure Compensation Dial. If the exposure is not compensated, a correct metering value cannot be obtained.

[5] Mirror Lock-up Photography When Using AE Prism Finder

In the AE position "A", mirror lock-up photography in the automatic mode is not possible. So during mirror lock-up operations, be sure to photograph in the manual mode.

However, it is possible in the AE Lock (AEL) position. While pressing down on the Shutter Release Button half way. raise the Mirror Lock-up Lever and then release the shutter. If, at this time, you leave your finger on the button for even an instant, exposure will immediately lengthen. So, be careful when taking photographs in that mode.

Diopter Correction Lenses (fig 8)

The viewfinder system is adjusted for average eyesight. It is therefore recommended that far-sighted or near-sighted individuals, not wearing eye glasses, use a diopter correction lens.

Six types of diopter correction lenses are available, offering ±3 diopter correc-

To attach diopter lenses, place the top of the lens into the top of the eye-cup frame and snap it into place. To remove, pull the bottom out.

English 📲

also shown.

Features

The two Prism Finders are optically and mechanically identical. Their precision roof prisms render a bright, unreversed and laterally correct image. Both also have an Eye-piece Closure, to prevent light entering, when the camera is remotely operated.

Special Features of the AE Prism Finder FE401

- "AE" stands for Automatic Exposure. The precision electronics built into this finder offers:
- 1. Three automatic exposure modes. Spot, Average and Auto-shift. In the latter mode the meter will change automatically from Spot to Average, or vice- versa, depending on subject matter.
- 2. When setting the shutter speed manually, the finder will display the correct exposure for only 10 sec. in order to save battery power.
- 3. In order to provide most accurate exposure data, intermediate exposure times are

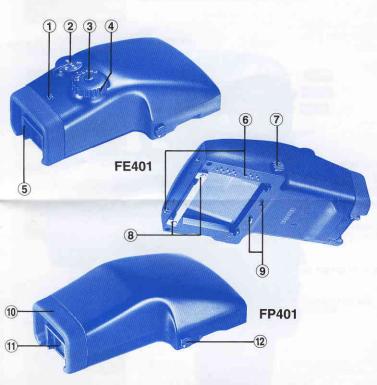
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Names of Parts

- ① Eye-piece Closure Lever
- 2 Metering Mode Selector
- 3 Lock Release Button4 Exposure Compensation Dial
- 5 Diopter Lens Mounting Frame
- 6 Gold Plated Contact Pins

- ① Lock Release Button
- 8 Attaching Latches
- 9 Attaching Pins
- 10 Eye-cup
- 11 Eye-piece
- 12 Lock Button





[6] Using the AE Prism Finder FE401 with Leaf Shutter lenses (A55mm N/L, A80mm N/L, A150mm N/L)

Using with the Power Drive Grip WG401

1. In the Focal Mode (F)

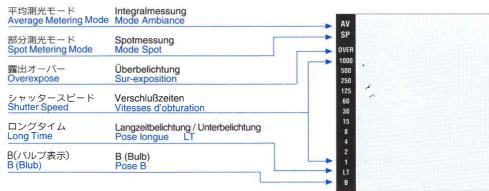
As with focal lenses, perform AE or manual photography. (The lens shutter speed is in the F position.)

- 2. In the Leaf Shutter Mode
- ① Set the lens to the Leaf Shutter Mode and set the shutter speed on the camera body to any position other than "B" (Bulb); automatically the shutter speed will then be set to 1/8 sec.
- ② An LED will illuminate in the viewfinder, per AE metering to indicate a correct shutter speed.
- ★Please note: After pressing the Shutter Release Button half way, the correct shutter speed will remain in the memory for 10 sec.
- 3 Turn the Shutter speed Ring on the lens and select the proper value.
- See the instruction manual when using Leaf Shutter Lenses with the Film Advance Crank AC401 and Power Drive Grip N.



ファインダー内表示 **LED Display in the View-finder**

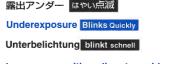
Sucherinformationen Affichage du viseur











La sous exposition clignote rapidement



適正スピード 点滅 バルブ撮影 (B) 点灯

Bulb (B)

Manual Photography Mode semi-automatique

マニュアル撮影

AV

La vitesse mémorisée s'affiche.

セットスピード 点灯 適正スピード 点滅

photography illuminates Proper speed blinks Manualbetrieb korrekte Zeit blinkt B-Aufnahmen leuchtet Pose B s'affiche La vitesse déterminée par la ceilule clignote.

La vitesse mémorisée s'affiche.

マニュアル撮影 Manualbetrieb Manual Photography Mode semi-automatique



AV

250

30

セットスピード 点灯 適正スピード点滅

illuminates Proper speed blinks

Set speed Eingestellte Zeit leuchtet korrekte Zeit blinkt

La virtesse pré-sélectionnée s'affiche. La vitesse déterminée par la ceilule clignote.

セットスピード 点灯 適正スピード 1/45秒 シャッタースピードダイヤルか、絞りリングを回して、適正 シャッタースピードに合致させると点灯が1つになりシャッ ターを押せます。

illuminates Proper speed 1/45 sec. Set speed Adjust the Lens Aperture Ring or turn the Shutter Speed Dial until there is only one shutter speed which is illuminated --- now the shutter can be released.

Eingestellte Zeit leuchtet Korrekte Zeit 1/45s.

Drehen Sie den Blendenring oder das Verschlußzeitenrad, bis nur noch eine Verschlußzeiten-LED leuchtet.

La vitesse pre-sélectionnée s'affiche.

La bonne vitesse est de 1/45 sec. Ajuster la baque des diaphragmes ou celle des vitesses jusqu'à ce qu'il n'y alt qu'une vitesse de visible, puis déciencher.

長時間撮影 Langzeitbelichtung

Long Time Photography Pose Ionque

LT leuchtet

8 à 1 de seconde



点灯 LT (ロングタイム) (測光範囲内)

1秒より遅いシャツタースピードのときにLTが点灯します。マ ニュアルではセットしたシャッタースピード2秒か4秒のいずれ かでシャッターが切れます。オートでは1秒~8秒までのいずれ かの適正秒時でシャッターが切れます。 LT (Long time) illuminates

In the manual mode the shutter operates at the speed selected by

the shutter speed dial. In AE mode the shutter is set automatically to give correct exposure at speeds between 8 and 1sec. Im Manualbetrieb arbeitet der Verschluß mit der am Zeitenrad eingestellten

Verschlußzeit. Im Automatikbetrieb wird die korrekte Verschlußzeit im Bereich von 8 bis 1s automatisch eingestellt.

LT (Pose Longue) s'affiche. En mode Semi-Auto, la vitesse de synchronisation est calle affichée sur le garden ancameras.com mode AE-Auto, elle est automatiquement sélectionnée et donne la bonne exposition de

Bulb (B) photography illuminates Proper speed blinks korrekte Zeit blinkt B-Aufnahmen leuchtet Pose B s'affiche

バルブ撮影 (B) 点灯

引きふた挿入 ゆっくり点滅 シャツターセット未完了

適正スピード 点滅

● AE、マニュアルとも表示モード点滅

Blinks Slowly Shutter not cocked All modes blink in both AE and Manual modes

La vitesse déterminée par la ceilule clignote.

Eingelegter Schieber

Nicht gespannter Verschluß blinkt langsam Alle Anzeigen blinken sowohl im Automatik-als auch Manualbetrieb

Erschöpfte Batterie blinkt langsam

Le volet n'est pas ôté L'obturateur cliqnote (lent)

Tous les modes clignotent

ゆっくり点滅

The Dark Slide inserted

バッテリー容量低下 **Battery Low**



AV

125

Pile faible Clignotement lent Blinks Slowly

AEモードのとき 適正表示値点滅

Proper value blinks in the AE mode

Korrekte Zeit blinkt im Automatikbetrieb

en mode automatique

マニュアルのとき 設定表示値点滅

Preset value blinks in the manual mode

Eingestellte Zeit blinkt im Manualbetrieb

en mode semi-automatique

- Since TTL metering is employed, exposure correction is unnecessary even when lens accessories, such as filters, auto extension tubes, bellows and macro lens, which usually require exposure correction, are used.
- Extraneous light coming into the viewfinder through the eye-piece will affect metering. So be sure to snugly hold your eye on the eye-cup to prevent any extraneous light from entering. When shooting without the viewfinder, as in the case of the Self-timer or remote control mode, close the Eye-piece Shutter to eliminate all extraneous light.
- When the Self-timer is used with the finder in the "A" position, the exposure will be determined an instant before the shutter goes off.

When the Self-timer is used with the finder in the "AEL" position, the exposure will be determined by light conditions an instant before the Self-timer was activated.

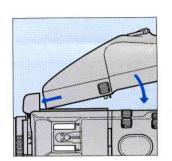
- The electric contacts located on the front and lower parts of the view-finder are very important for transmitting data used for AE metering. In order to ensure correct AE finder functioning, make sure that all contacts are kept clean. Before attaching the finder, always clean the surfaces of these contacts using a soft clean cloth.
- When the camera is not in use, turn the Shutter Release Selector to the Red Dot or "OFF" position. The Shutter Release Button will then be locked to prevent accidental release. Also be sure to turn the Operating Indicator on the Power Drive Grip WG401 to "OFF".

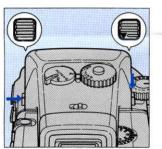
Hints on Selecting the Metering Mode

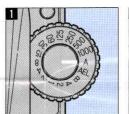
- 1. Use the Average Metering Mode when you wish to silhouette a subject against back light.
- 2. If the Average Metering Mode is used for photographing a subject indoors by a bright window or a subject outdoors against a bright sky or snowscape, the bright background will unduly affect the meter reading, resulting in underexposure. Under these conditions, change the mode to Spot Metering which will eliminate adverse background influence and assure accurate exposures.

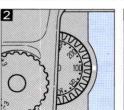
If the most important area of photo is not in the center of the composition, set the Shutter Speed Dial to the "AEL" (AE Lock) mode and lock the metering value in the center. Now you can select the desired metering mode. (See "AE" Lock)

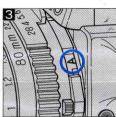
3. In the Auto-shift Mode, if the area read by the spot meter is more than 1 1/2 stops darker then the area read by average metering, the Spot Metering Mode is automatically selected. When the area read by the spot meter is approximately the same value as, or brighter than, that by average metering, the Average Metering Mode is automatically selected. When the area read by the spot meter is 3/4 to 1 1/2 stops darker than that read by average metering, the AE Prism Finder automatically selects proper intermediate exposure value, offering the equivalent of a center-weighted reading. At this time, both "AV" and "SP" will illuminate in the viewfinder.

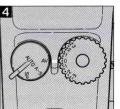










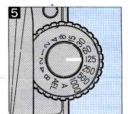


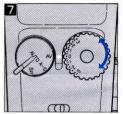
Washaala dar Sushar

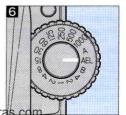
AE撮影時の中間秒時 (☆中間秒時はファインダー内にはLED表示されません) Intermediate Speeds (Reference) (No LED display in the view-finder) Zwischenzeiten (Referenz) (Keine LED-Anzeige im Sucher)

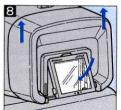
Vitesses intermédiaires (pas d'affichage dans le viseur)

シャッタースピード Shutter Speed Verschlußzeit Vitesse d'exposition	中間秒時 Intermediate Speed Zwischenzeit Vitesse intermédiaire	シャッタースピード Shutter Speed Verschlußzeit Vitesse d'exposition	中間秒時 Intermediate Speed Zwischenzeit Vitesse intermédiaire
1/1000 sec (s)		1/30 sec	
	1/720 sec		1/22sec
1/500 sec		1/15 sec	
	1/360sec		1/11sec
1/250 sec		1/8 sec	
	1/180sec		1/5.6sec
1/125 sec		1/4 sec	
	1/90sec		1/2.8sec
1/60 sec		1/2 sec	
	1/45sec		1/1.4sec
1/30 sec		1 sec	









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