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OPTIMA 335 electronic

● sensor



Distance symbols

f-stop setting ring for flash exposures

Accessory shoe with center contact

Viewfinder eyepiece

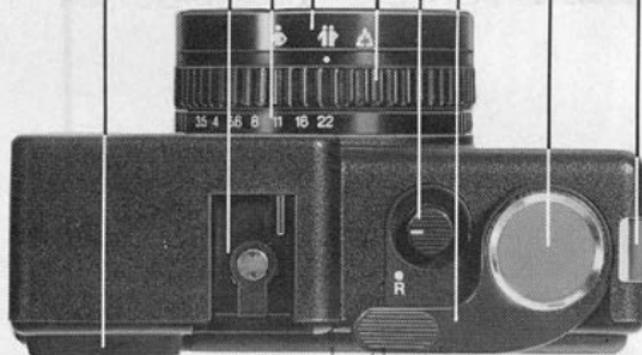
Focusing ring

Film rewind button (R)

Quick-wind lever for film transport
and rewind

Camera release sensor

Frame counter



Exposure meter window for automatic exposure

Film speed setting window (DIN/ASA)

Cable release socket

Film speed setting ring

Back cover latch

Threaded socket for carrying case and tripod



OPTIMA 335 electronic

● sensor

Instruction Manual

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Film Speed

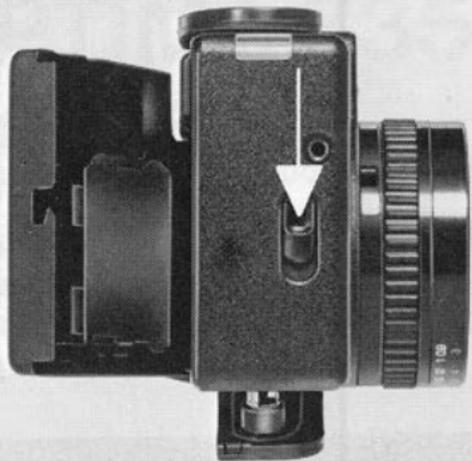
Each film has a certain speed. This DIN or ASA rating is printed on the package and must be set on the camera.

The film-speed setting window is located on the lens barrel.



Rotate the inner ring by both lobes until the required film speed is opposite the straight line.

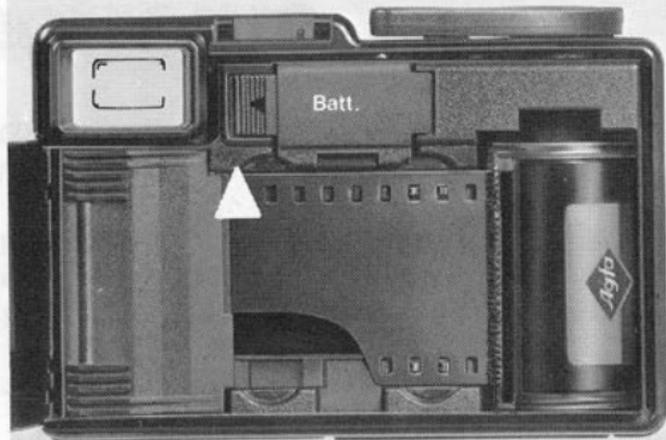
White numbers = DIN ratings
Green numbers = ASA ratings



Agfa Quick-loading System

Press down on the narrow side of the camera. The back cover then pops open and the cassette guide opens out. Open back cover.

Insert film cassette into right-hand film chamber with black spool head pointing up. Snap cassette guide back into place.



Pull the film leader out of the cassette until 4–5 perforations on the lower row are visible (see illustr.). Films having a leader of approximately 10 cm may show only 1–2 perforations, however. Slide film leader under the lid of the take-up spool. The film must rest on the upper film track edge (see arrow). After making sure the transport gears mesh into both perforation rows, close the back cover.



Frame Counter

At the beginning of the film, the counter is automatically set on **A**. Operate the quick-wind lever and trigger the sensor until frame no. 1 appears in the middle of the frame window.

The frame counter always indicates the number of frames exposed.



Film Advance Check

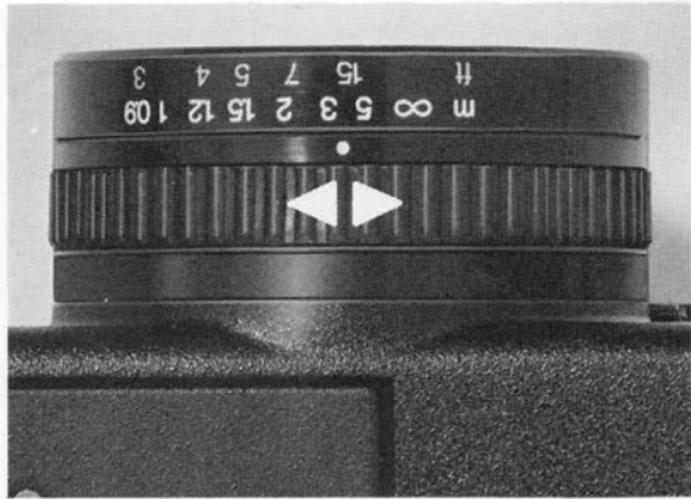
When the film is advanced, the silver knurled wheel on bottom of the camera must turn at the same time to indicate whether the film is being advanced properly.



Distance Setting

The distance must be set prior to each exposure. Quick adjustment is made possible by the three distance symbols on the upper part of the front ring. Rotate the milled barrel ring until the white dot is opposite the required setting or the corresponding distance symbol.

-  — 5 ft. (1.5 m)
-  — 11½ ft. (3.5 m)
-  — infinity (∞)



The distance settings from 3 ft. (90 cm) to infinity (∞) are located on the lower part of the front ring. Rotate the milled barrel ring until the white dot is opposite the required setting or the corresponding distance symbol.

www.bonus.us
 White numbers = meters
 Green numbers = feet



Viewfinder with Luminous Frame

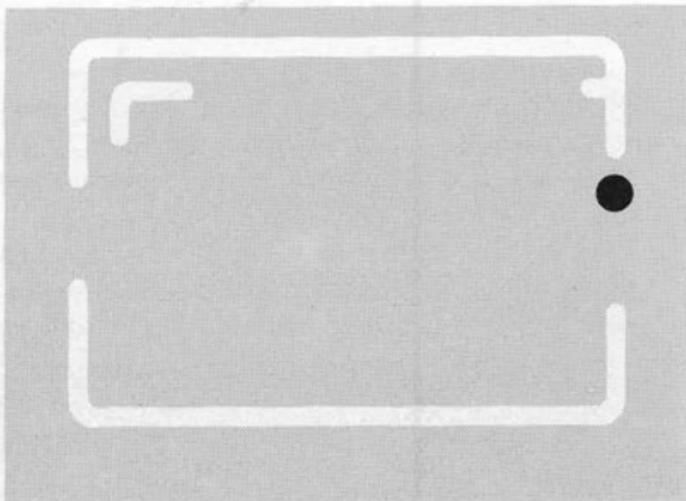
The crystal luminous frame indicates the limits of the image area for horizontal and upright rectangular exposures.

Exposures made from a range of between 3 ft. (0.9 m) and approx. 6½ ft. (2 m) are outlined by the inner, short frame markings.



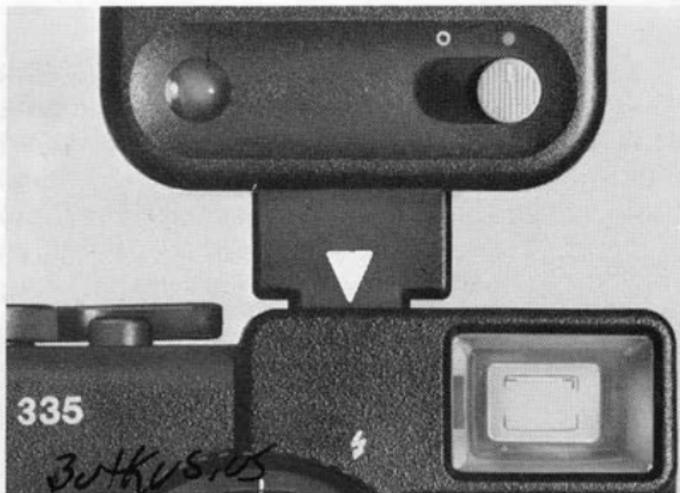
Automatic Exposure

The electronics of the Optima 335 regulate the exposure time (1/30–1/300 sec.) and f-stop setting continuously and completely automatically. The exposure control can be checked in the viewfinder. If no signal can be seen in the viewfinder when the sensor is lightly tapped, then trigger the camera using the red sensor.



If a red signal lights up on the right-hand edge of the viewfinder, then the flash must be used.

The exposure control reacts only when the camera is ready to shoot and the batteries have sufficient voltage.



Flash Exposures

For flash exposures the Optima 335 Electronic has a center contact in its accessory shoe. The flash exposure time is set automatically when a flash unit with center contact is inserted into the shoe.



The f-stop setting is adjusted automatically on the rear ring. This setting is dependent on film speed and the distance; it may be found either on the flash unit table, on the flash bulb package or in the flash unit instructions. Rotate the f-stop setting ring until the required setting appears opposite the ⚡ symbol.



Film Advance

Following each exposure, advance the film by one frame using the quick-wind lever. Move this lever one complete stroke all the way to its stop; the camera is immediately ready for the next exposure. Double exposures and advancement of unexposed film are thereby ruled out. To insure rapid and reliable operation, this lever stands somewhat apart



from the camera body. It should be pushed fully back for storage in the handy carrying case.

At the end of the roll, the lever may only move part way back, in which case avoid forcing it as this may pull the end of the film out of the cassette.

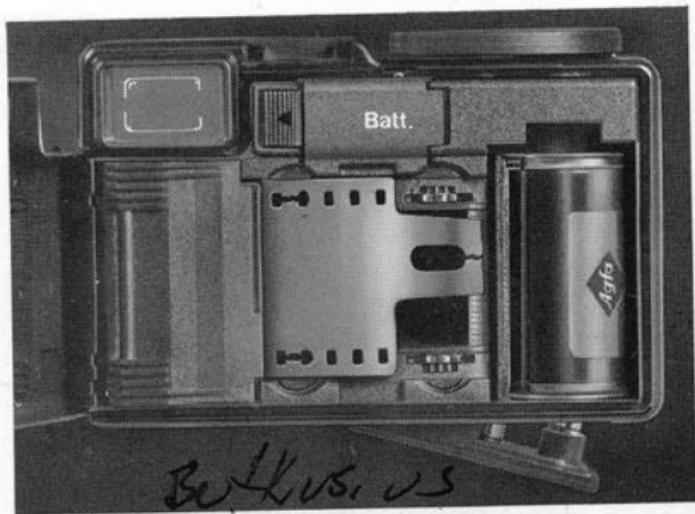
Rapid Rewind

After the last exposure, the counter will indicate 36, 24, 20 or 12, depending on film length used. The exposed film must be re-wound into the cassette. Press down on the rewind button, pressing past the pressure point if necessary, and turn it to the **R** mark where it will snap in.

The quick-wind lever is also used for re-winding. The lever should always be moved



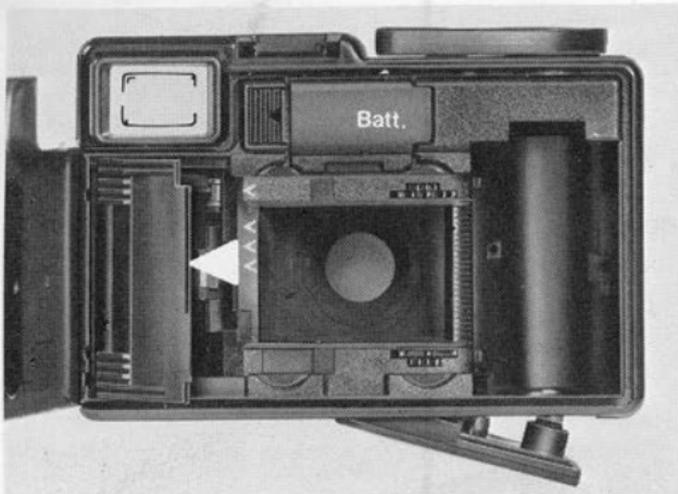
in complete strokes, in some cases past a certain initial resistance. After completion of the rewinding, open the camera, remove the film cassette and pack it in light-proof material. When the camera is opened, it is automatically reset to forward transport and the counter goes to **A**.



Note

Should the end of the film be pulled completely out of the cassette by mistake, then the film may be completely under the take-up spool. If this happens the camera may be opened only in a darkroom (see Page 6).

Push the take-up spool lid to the left and open it out. Unwind film in the dark and pack it in a light-proof container. It is recommended

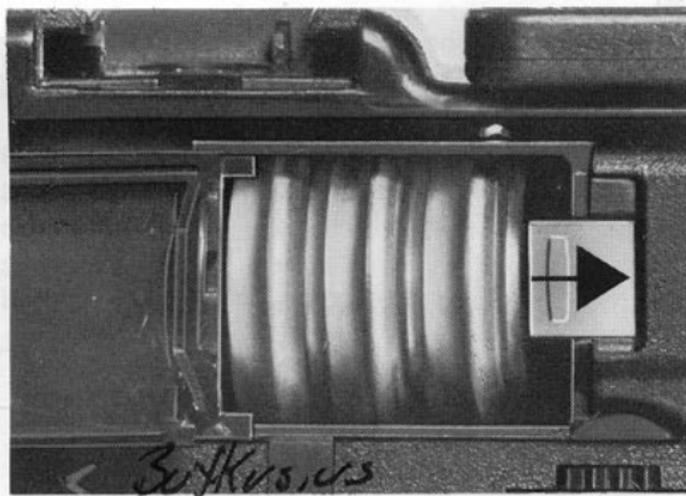
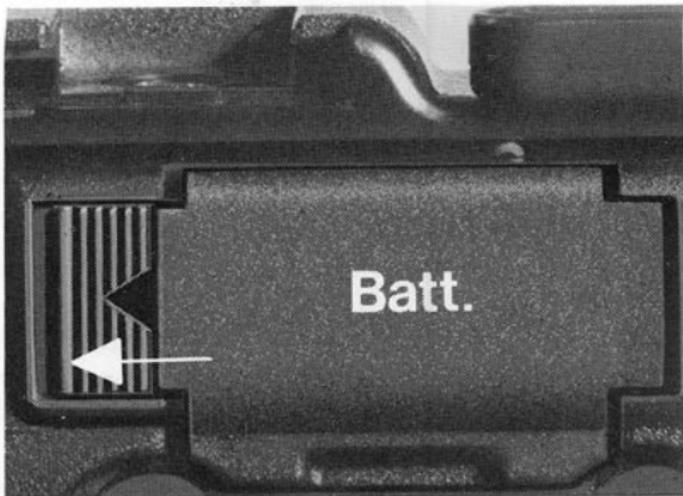


that the film be removed by a photo dealer. Before closing the back cover, snap the take-up spool lid back into place.

The automatic exposure operates with three Varta 4626 (or V 625 U) button cells which are supplied with the camera. Their life is about 1 year. When replacing the button cells, we recommend using the same type although the following types can also be used: UCAR EPX 625, Mallory PX 625 or RM 625 N. www.butkus.us

Battery Check

To check the batteries when the camera is ready to shoot, simply tap the sensor button lightly. If the red signal does not light up when the meter window is covered, change all three button cells.



Replacing Batteries

The battery compartment is located inside the camera body. Batteries should be changed only when the camera is not loaded with film. Changing batteries with camera loaded can only be done in a darkroom, otherwise several frames will be lost. It is recommended that this be done by a photo dealer who also has new batteries in stock. Open camera (see Page 6). Place thumb over ridges and

slide battery compartment to the left and open it out. Press the metal latch to the right and remove old batteries. Insert new batteries with the + pole pointing left, snap in battery compartment lid and close camera. Repeat battery check.

Alterations reserved



Accessories

Leather ever-ready carrying case to protect the Optima 335 Electronic when not in use available under order no. 6187/100.



The Agfatronic electronic flash units are compact and simple to operate. Equipped with the latest in modern technology such as serial computer, variable automatic ranges and swivel reflector, these units are able to meet any requirements.

B = battery (unit)
200-300 flashes per battery set

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Agfacolor K slide frames
self-adhesive frames

Agfacolor W slide frames
one-piece changing frame with snap fastener

Agfacolor G slide frames
one-piece slide frames without glass



Agfascop 100 and 200

For viewing your color slides as well as for pre-sorting a slide series, the 100 slide viewer (with drop chute) and the 200 (with sliding changer) are especially suitable. Both viewers have power supply.



Recommended Films

Agfacolor CNS

For color prints we recommend the Agfacolor CNS with 20 DIN or the high-speed CNS 400 with 27 DIN. Both films have high contour sharpness and brilliant color shades.

Isopan

Always the right film for black and white pictures, it has sharp contour and fine grain.



Agfachrome CT 18 and CT 21

For finely differentiated, high-brilliance natural slides. In addition to the CT 18, the high-speed CT 21 is available with a 100% speed increase which makes it ideally suited for exposures in rain, at dawn, dusk or night.

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Specifications

Type:	miniature camera 24 x 36 mm	Viewfinder:	particularly large and bright luminous frame viewfinder (V = 1:0.78) with parallax marks
Film:	miniature (135) with 36, 24, 20 or 12 exposures		
Lens:	Agnatar 1:3,5 / 40 mm (4 lenses) Ø S 49 mm x 0.75 range 0.9 m—∞	Film loading:	Agfa quick-loading system
Shutter:	electronic Paratronic shutter 1/30—1/300 sec.	Flash:	center contact; automatic exposure time setting by sliding in flash unit; manual f-stop setting
Auto exposure:	fully automatic, continuous regulation of exposure times and f-stop settings	Rewind:	by quick-wind lever
Underexposure indicator:	red signal		Cable-release socket, battery check
Film speed:	15—28 DIN 25—500 ASA	Weight:	276 g
		Dimensions:	104 x 69 x 56 mm