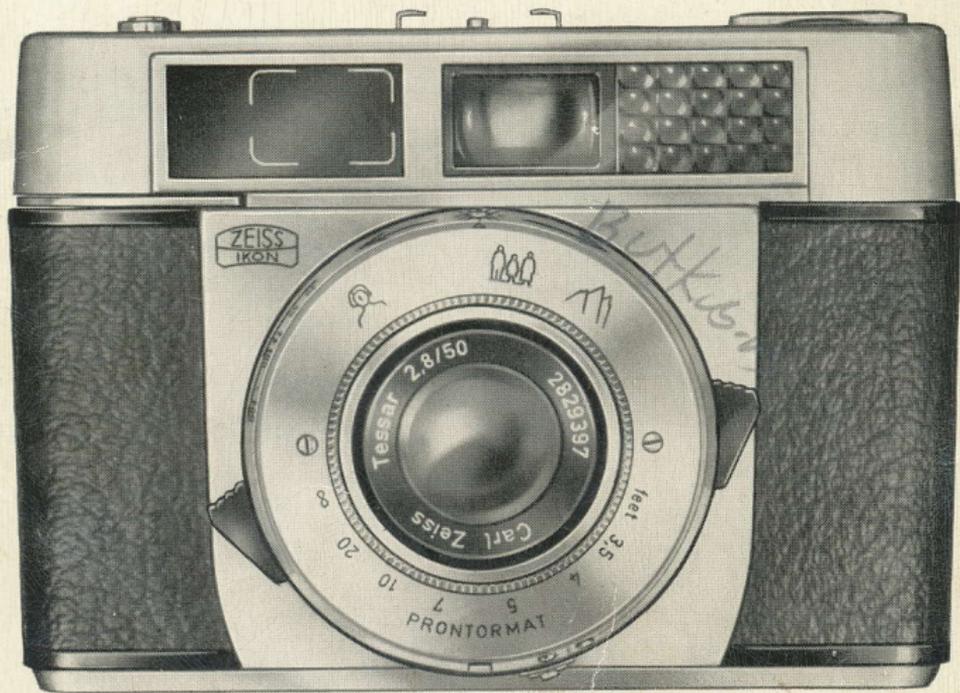


ZEISS IKON



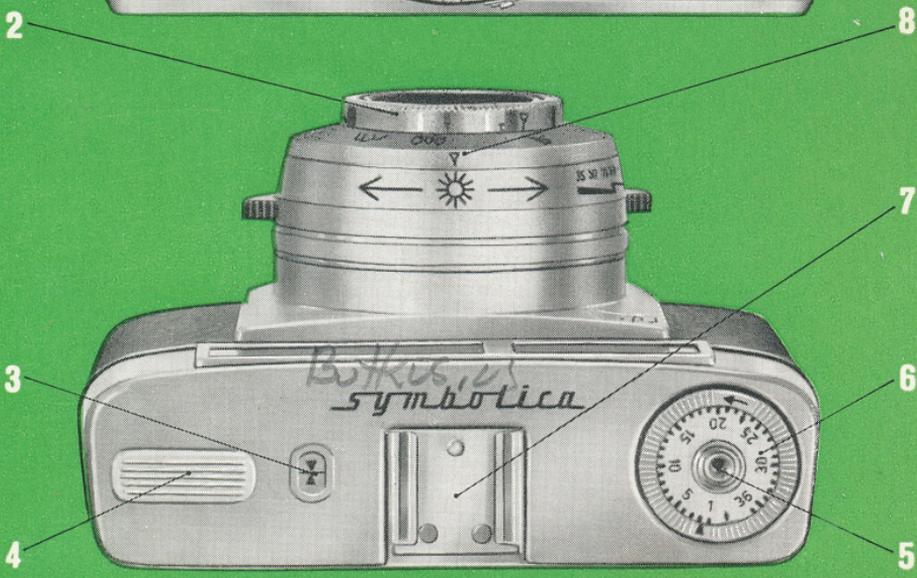
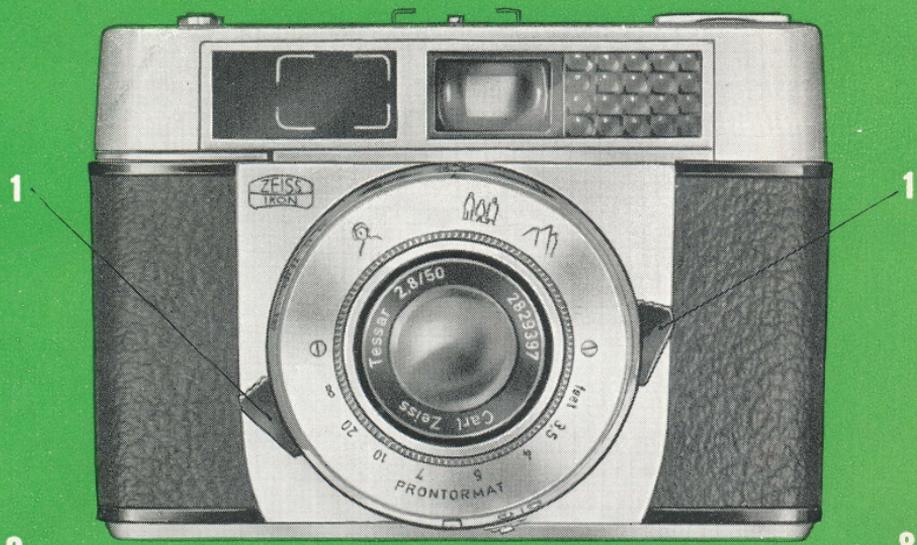
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INSTRUCTION BOOKLET FOR



Symbolica

35 mm



1

1

2

8

3

7

4

6

5

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- 1** Keys for exposure setting
 - 2** Distance-setting mark
 - 3** External indicator of exposure meter
 - 4** Safety plate for flash connection
 - 5** Release knob
 - 6** Frame counter
 - 7** Accessory shoe (for flashgun, etc.)
 - 8** Setting mark for daylight and flash
 - 9** Viewfinder
 - 10** Catch for camera back
 - 11** Locking pawl for flash range
 - 12** Film speed setting knob
 - 13** Tripod bush
 - 14** Locking knob for rewind crank
 - 15** Rewind crank spindle
 - 16** Rewind crank
 - 17** Film speed setting mark
 - 18** Film type indicator
 - 19** Rapid wind lever



Daylight pictures

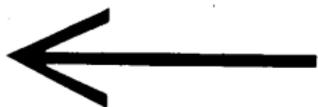
First set the subject-distance, by turning the lens-ring until the setting mark (2) clicks-in at the appropriate subject-symbol (portrait, group or landscape).

The mark 8 (sun-symbol with arrows to the right and left) indicates the daylight exposure range. The rapid wind lever should be tensioned: if it is not, swing the lever (19) to the right, until it stops.

Now hold the camera in both hands. On looking through the viewfinder, you will see the subject within the brightline frame, just as it will appear on the film. In the upper part of the viewfinder field, you will see the pointer of the exposure meter against a white background.

This pointer moves when you turn the exposure-setting ring by means of the two keys (1).

As soon as the pointer is centered within the triangular gap, the exposure control is set correctly and you can take your picture by pressing the release knob (5) with the index finger of the right hand. You can also watch the exposure-meter pointer in the window on top of the camera (3) and set the SYMBOLICA



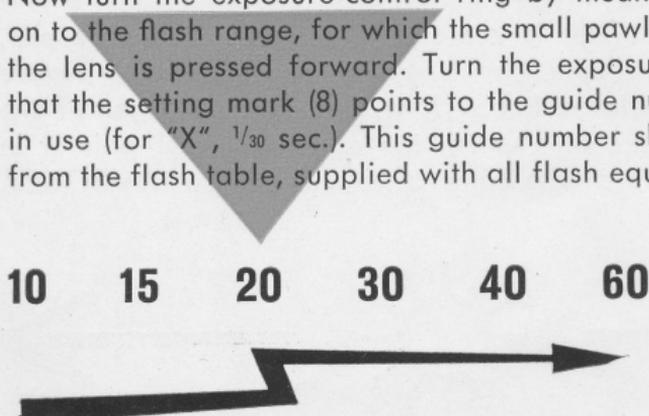
in that way. If it should happen that the pointer cannot be set against the setting mark the light conditions are poor to allow correct exposure.

The release knob should be depressed slowly, not jerkily. After every exposure, swing the rapid wind lever (19) once again, until it stops. The SYMBOLICA is then ready for the next picture.

Flash pictures

After removing the safety plate (4), the connector plug of the IKOBLITZ 4 can straightaway be inserted into the two plug sockets (Fig. 6 on page 13). Other types of flashgun (and electronic flash lamps) with attachment feet can be secured in the accessory shoe (7) and their cable fitted to the connector nipple under the safety plate.

The safety plate can be accommodated in the eveready case. Now turn the exposure-control ring by means of the two keys on to the flash range, for which the small pawl lever (11) beneath the lens is pressed forward. Turn the exposure-control ring so that the setting mark (8) points to the guide number of the flash in use (for "X", $\frac{1}{30}$ sec.). This guide number should be obtained from the flash table, supplied with all flash equipment and bulbs.



10 15 20 30 40 60

**2****4****12 15 18 21 24 27 30 33**

Using the distance-setting symbol for groups (10 ft.), you can now take flash pictures. All pictures at a distance of approximately 10 feet will be correctly exposed. If you want to take flash pictures of portraits set the symbol for portrait and the mark (8) against the doubled guide number of the flash source.

Using filters

Butkusovs

The filter corrector must be set before 'measuring' the exposure with the exposure meter, so that the automatic exposure control mechanism can take the filter factor into account. To do this, move the knob (12) to set the film speed figure against the filter-factor number (2 or 4) alongside the setting mark. For other filter factors, use the appropriate intermediate value. Then measure and set the exposure as usual. When you remove the filter, re-set the film speed figure to the triangular mark. So as not to forget the speed of the film in use, always set the film type indicator disc correctly.

Colour pictures

For taking pictures on colour reversal film in bright sunlight, the film speed setting given for the film should be set exactly

as for black-and-white film. In overcast weather, or for against-the-light pictures, set the film speed figure against the figure 2 (not to the triangular mark). This applies only for reversal colour film.

Loading the camera

The SYMBOLICA can be used with all standard miniature film cartridges, for either 36 or 20 pictures 24 x 36 mm in size. The film should be loaded in subdued light.

Press downwards the catch (10) on the narrow side of the camera: the back will then spring open. Then place the film cartridge into the film chamber, with the beginning of the film pointing towards the take-up spool (Fig. 1). The bottom of the cartridge should be inserted first, so that the slit in the prong engages with the bar in the cartridge core. Then turn the flange of the take-up spool until the slot in the spool faces upwards. Push the beginning of the film far enough into the slot so as to hook the small lug into the 3rd or 4th perforation hole (Fig. 2). Continue turning the flange of the take-up spool until the teeth of the transport sprocket engage with the film perforations on both sides (Fig. 3). Now close the SYMBOLICA by pressing

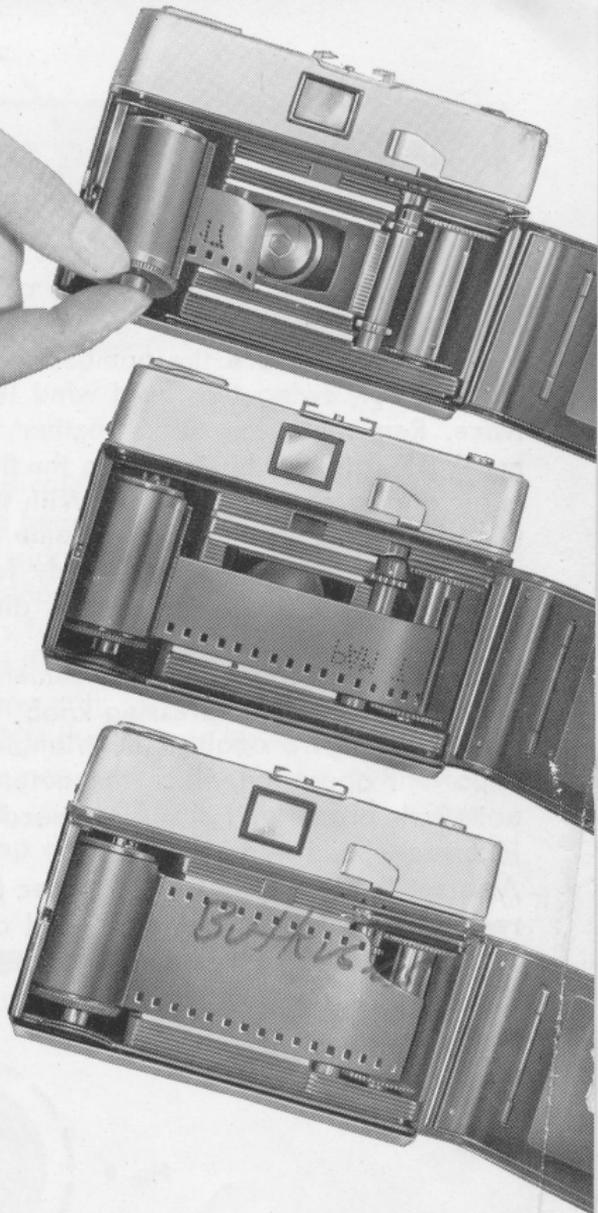


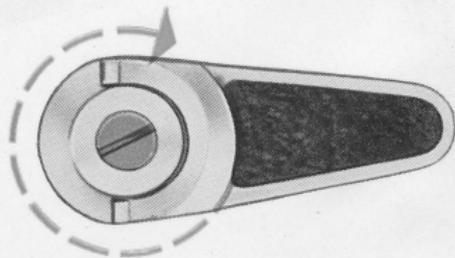
Fig. 1-3

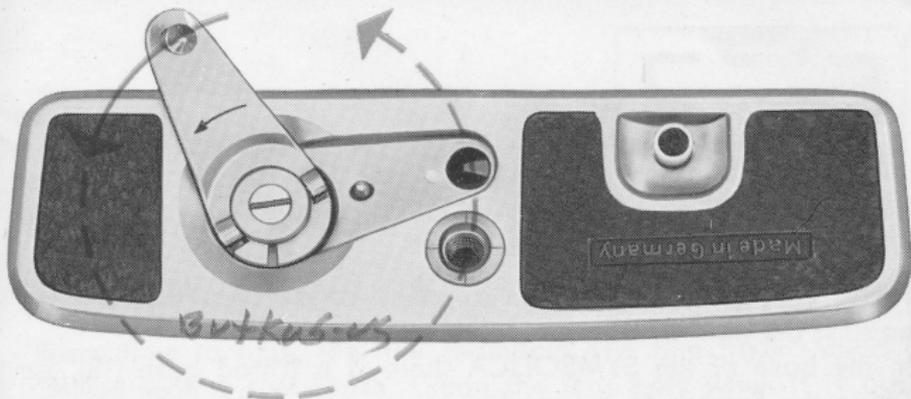
on the back. Turn the milled ring of the frame counter disc (6) in the direction of the arrow so as to set the marker against the red mark before the number which is printed on the film carton. Now swing the rapid wind lever and release the shutter twice. Remember to check whether the spindle of the rewind crank (15) rotates whilst winding the film: this proves that the film is advancing correctly (Fig. 4). With the third swing of the rapid wind lever, the marker of the frame counter will indicate either 36 or 20, and the camera is ready for the first exposure. After every exposure, the frame counter dial will show the number of frames remaining.

Immediately after loading the camera, the speed of the film in use must be set by depressing knob (12) and turning it to set the film speed figure against the triangle mark (17). This is a most important operation, since the automatic exposure control will not work properly if the film speed setting mark is set to an incorrect speed figure.

Also set the film type indicator disc (18) on the camera back, to remind you of the type and speed of the film in use. The film type indicator is only a useful reminder, and has no effect on the exposure.

Fig. 4



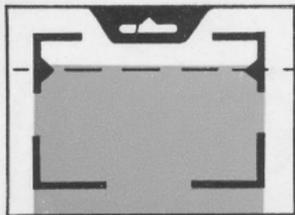


Unloading the film

When the frame counter indicates the figure 1 and the shutter is released, the last frame has been exposed: the film must now be re-wound back into the cartridge, so that it can be taken out in daylight. To do this, first depress the locking knob (14) in the base of the SYMBOLICA, as far as it will go. This will cause the rewind crank (16) to pop out (Fig. 5). Unfold the crank, and turn it in the direction of the arrow until you feel a resistance, which indicates that the film has left the take-up spool. Then press the catch (10) to open the camera back, and take out the film cartridge. Finally, fold the rewind crank back again, causing the locking knob (14) to snap out visibly.

Tips

You can also set the SYMBOLICA to definite distances in feet. Beneath the lens mount there is a setting mark opposite a footage



Upper frame limit at 3 ft. 11 in. shooting distance

scale. Turn the lens until the appropriate distance figure is set against the mark.

In the base of the SYMBOLICA there is a tripod bush (13), for fitting the camera to a tripod.

When taking pictures at distances closer than 4 ft., keep the subject in the viewfinder below the two notch markings.

Accessories

The eveready case will protect your SYMBOLICA from damage. The camera is fastened into the case by screwing the fitted screw into the tripod bush, and it need not be removed for taking pictures.

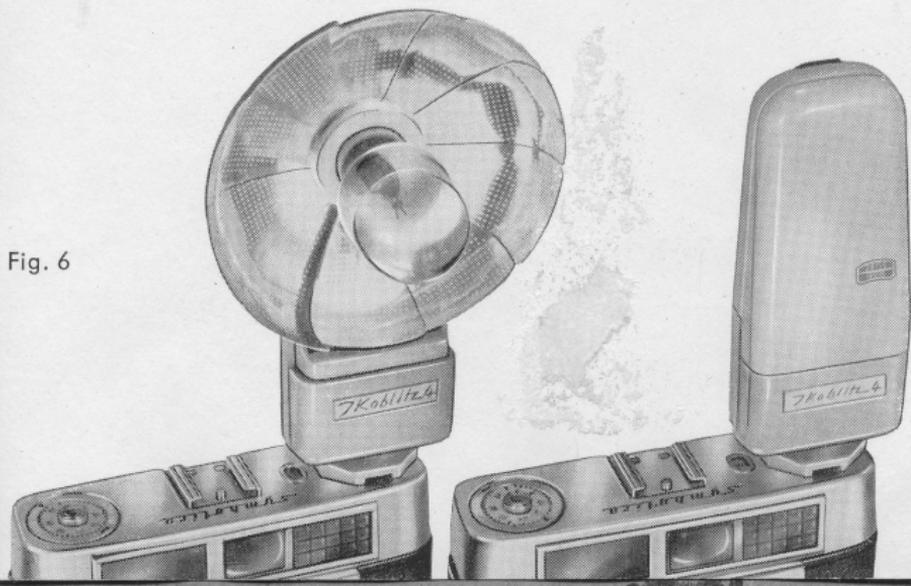
ZEISS IKON Precision Filters. To improve the tone values in black-and-white pictures, ZEISS IKON Precision Filters (diam. 27 mm) can be screwed on to the lens. Yellow, green, orange, red and ultra-violet filters are available. For colour photography there are the Ikolor Filters A, B, C and F, with which full instructions are provided. When using filters, the filter factor must be allowed for when setting the film speed. The filter

factor of all ZEISS IKON filters is engraved on the filter mount.

The lenshood prevents flare and fog in your pictures when shooting into the light. In bad weather, it protects the lens against rain and snow. Both metal and rubber lens hoods are available: the latter can remain on the camera when the ever-ready case is closed.

The IKOBLITZ 4 capacitor flashgun can easily be attached to the SYMBOLICA. This unit is remarkable for its high light output. The reflector can be folded up, making the flashgun easy to carry.

Fig. 6





SUPPLEMENT TO SYMBOLICA II INSTRUCTIONS

Re: Flash Exposures

The Symbolica II instruction booklet specifies that you take flash exposures with the "Group" setting at approx. 10 ft. There is also the possibility of using the "Portrait" (5 ft.) or "Landscape" (20 ft.) settings for flash. At 5 ft., double the recommended guide number, and halve it when shooting at 20 ft. Then set this adjusted guide number on the shutter. The chart on the reverse side gives recommended guide numbers for the "Group" setting, and below, the adjusted equivalents for 5 ft. and 20 ft. distances. Disregard metric flash guide numbers (under "Flash Pictures") and use numbers (35 to 200) on camera. Also disregard DIN numbers on following page.

x 12 in x
cm x 30

GUIDE NUMBER



10 ft. 35 50 75 100 • 200



5 ft. 70 100 150 200 — —



20 ft. — — 35 50 75 100

CAM-42 (4601)

x12 in x
cm x 30