

Kodak

CLOSE-UP TABLE STAND 1:1

INSTRUCTIONS FOR USE

The Close-up Table Stand 1:1

is a special close-up aid for the RETINA III S and RETINA REFLEX S and REFLEX III for close-ups on a scale of 1:1. It is used with the RETINA Xenar or RETINA Ysarex f:2.8/50 mm lenses in conjunction with the R 1:2 close-up lens. The close-up table stand permits easy 1:1 reproduction of such things as postage stamps and other small objects of little thickness such as jewelry, small mechanical parts, bugs, etc.

The close-up table stand is also suitable for copying color slides in black and white. For this purpose a slide holder with diffusing screen is used to assure uniform slide illumination.

Determining Exposure

Determine the exposure time by taking an incident light reading before attaching the close-up table stand to the camera. Clip the incident light mask in front of the honeycomb cell window of the exposure meter, place the camera with its back on the subject and read the incident light.

As only the f/11, f/16 and f/22 lens openings can be used with the close-up table stand, the exposure reading has to be set to one of these stops. Turn the two serrated black keys in the shutter ring until the required lens opening * is opposite the setting mark. Please take into account that with all shots taken with the close-up table stand 1:1 the exposure time must not be shorter than $\frac{1}{30}$ second.

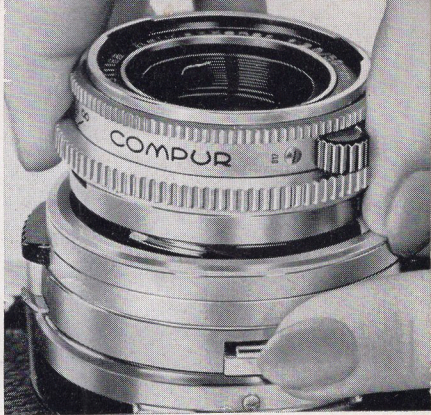
* Compare enclosed depth-of-field table.



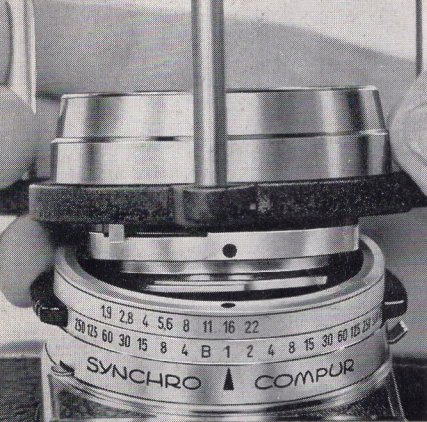
Setting up the Close-up Table Stand

Loosen the black thumb screw connecting the baseplate to the body. Move the baseplate until the ends of the rods are flush with the baseplate. Tighten the thumb screw again.

Removing the Lens



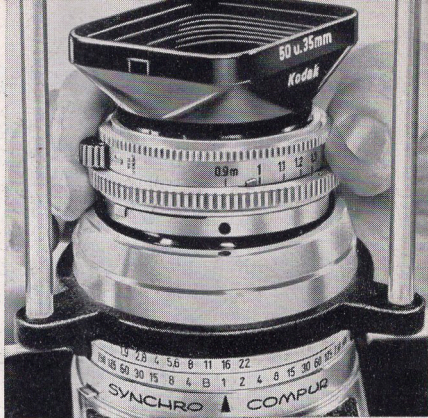
Press the lens snaplock at the lower edge of the shutter and at the same time turn the lens at the wide inner serrated ring in anticlockwise direction as far as it will go. Remove the lens then.



Attaching the Close-up Table Stand

Attach the close-up table stand to the camera by placing the red dot on the table stand flange opposite the red dot on the lens mount and turning the table stand clockwise until the snaplock engages after some marked resistance has been overcome.

Replacing the Lens

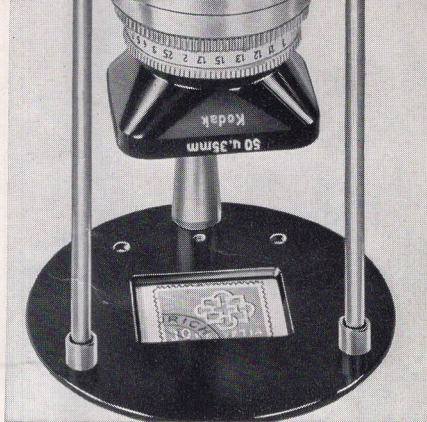


First screw the R 1:2 close-up lens in front of the lens of your RETINA and clip on the lens hood. Replace the lens by placing the red dot on the lens flange opposite the red dot on the lens mount of the close-up table stand and turning the lens clockwise until it is engaged.

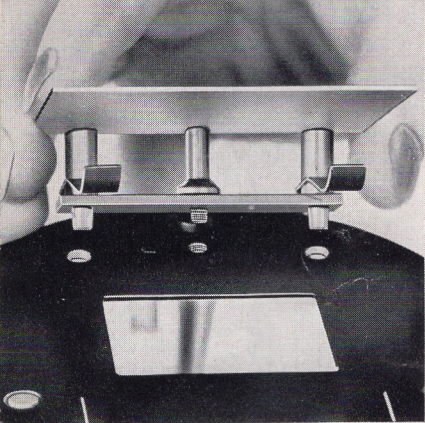
Some General Exposure Information

- 1) The lens hood is absolutely required for all exposures with the close-up table stand to eliminate reflexes by side light.
- 2) The distance for all exposures is to be set at 5 feet or 1.5 m.
- 3) Do not forget to screw the R 1:2 close-up lens to the camera. If you use a filter, this goes on the R 1:2 close-up lens.
- 4) Always remember to have the baseplate even with the rods.
- 5) It is not advisable to measure the light with the attached close-up table stand as the shadow of the table stand is liable to be cast on the exposure meter.
- 6) You should always make certain that no shadow is cast on the subject when taking a picture.
- 7) The automatic depth-of-field indicator of your RETINA cannot be used for exposures with the close-up table stand.
- 8) Always use a cable-release.

How to use the Close-up Table Stand

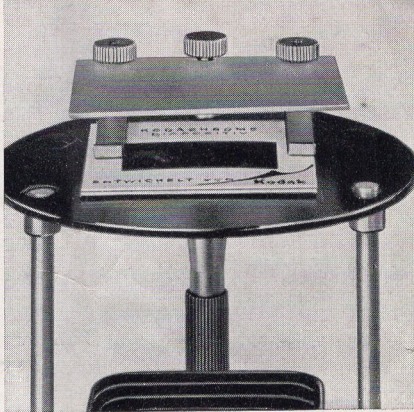


Place the camera with the close-up table stand on your subject to have the essential part of it as near in the center of the rectangular opening in the baseplate as possible. To make full use of the available depth of field it is advisable to set the lens opening to $f/22$ for objects of some thickness such as jewelry, small mechanical elements, bugs, etc.



Copying Slides in Black and White

A screw-on slide holder and a diffusing screen make it easy to copy color transparencies in black and white. (When copying color slides in black and white, it is advisable to make tests to determine the results that can be obtained.) When taking the incident light reading (see page 3) hold the diffusing screen close in front of the exposure meter incident light mask. The reading should be extended by the factor of 4 (for example: exposure reading $1/30$ sec., recommended shut-



ter speed $\frac{1}{8}$ sec.). Care should also be taken to reduce the normal developing time of the film by half.

Screw the slide holder to the baseplate and attach the diffusing screen to the slide holder. While the picture is being taken, the slide is held by the two spring clamps of the slide holder to prevent blurred pictures even where slow shutter speeds have to be used.

Kodak

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Depth-of-Field Table for the Close-up Table Stand 1:1

For high requirements, e.g. for flat subjects such as stamps, etc.

Depth of field *	Aperture f/
7/128''	11
5/64''	16
7/64''	22

* The depth of field is calculated for a circle of confusion of 1/500''.

For subjects of some thickness.

Depth of field *	Aperture f/
7/64''	11
5/32''	16
7/32''	22

* The depth of field is calculated for a circle of confusion of 1/250''.