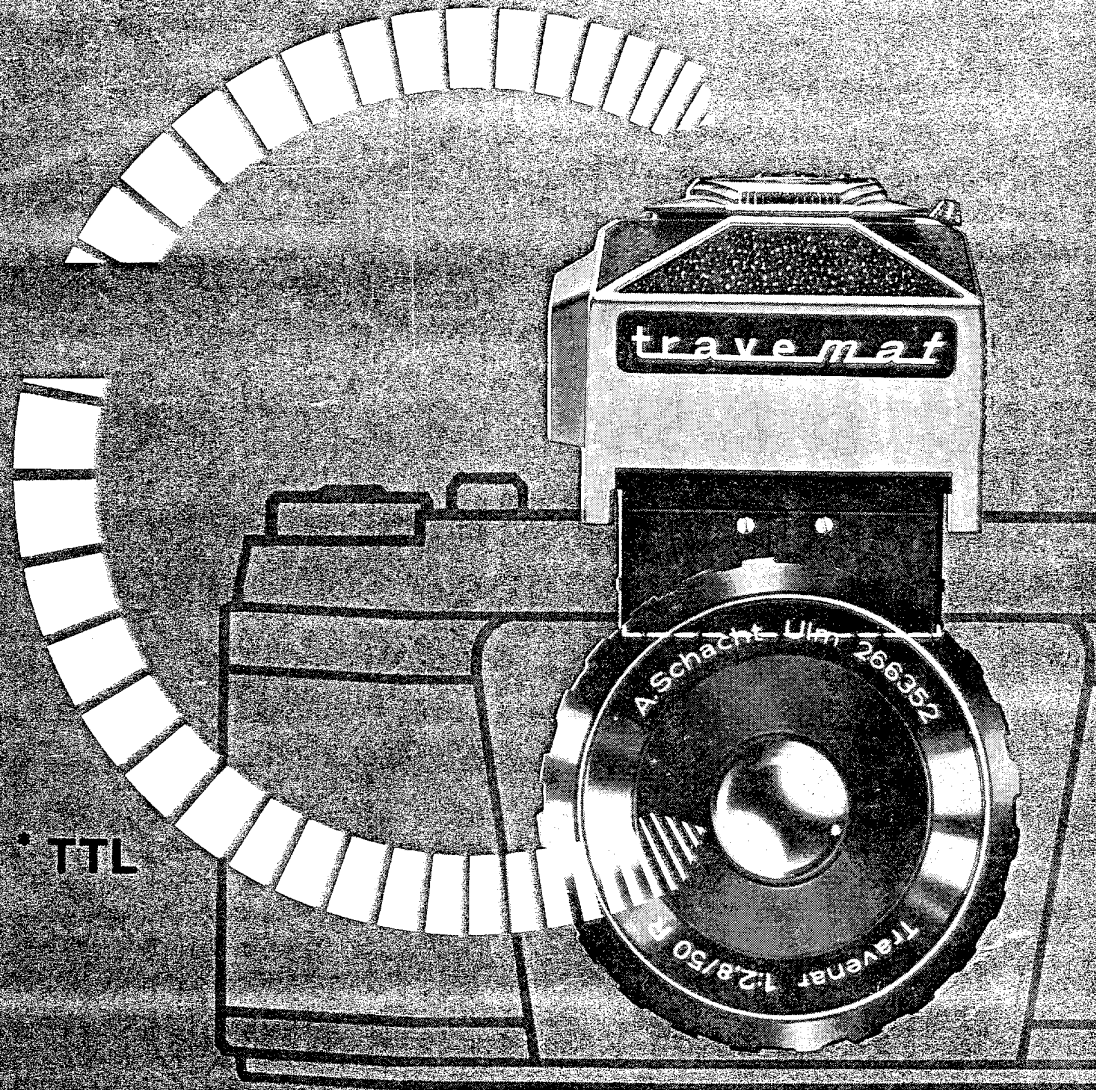
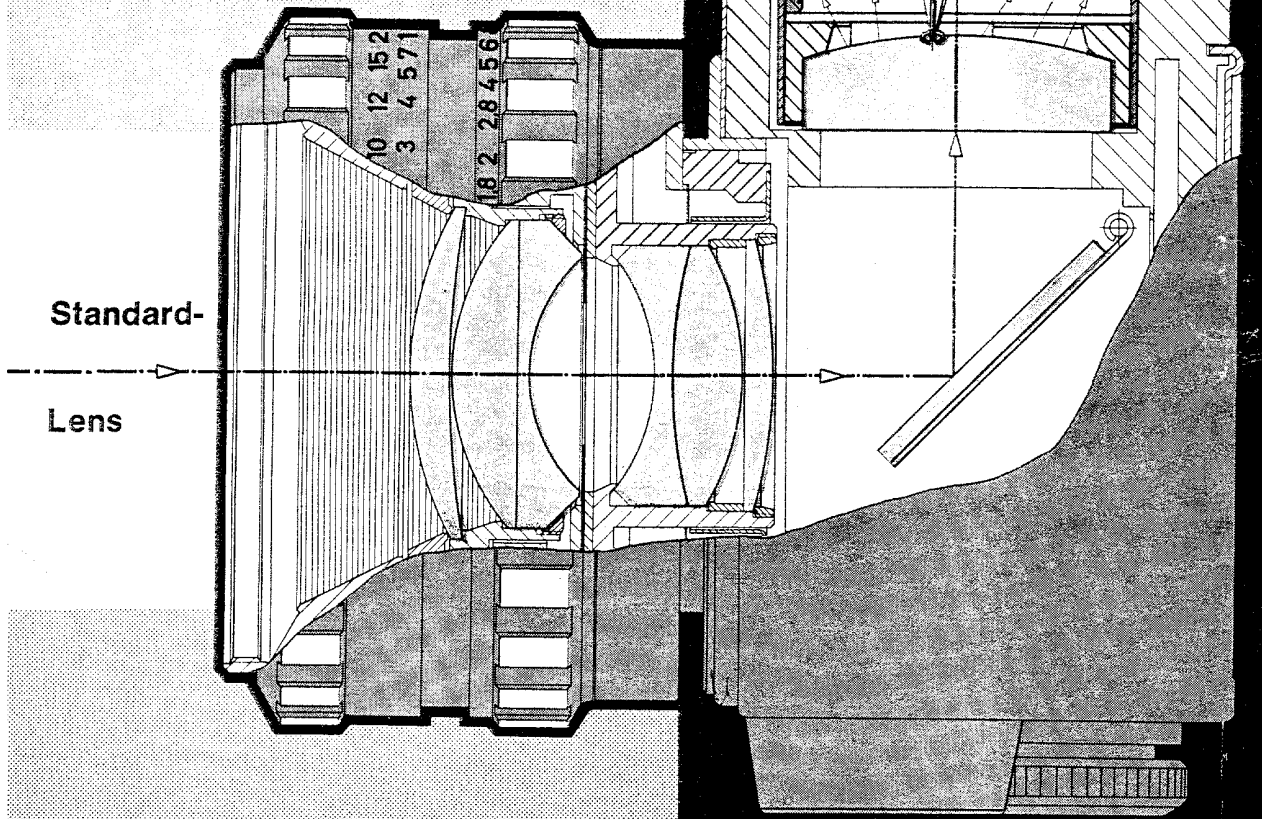


travemat

**SCHACHT-TRAVEMAT
Prism Viewfinder with Exposure Meter
for SLR Cameras
with Interchangeable Viewfinder System**



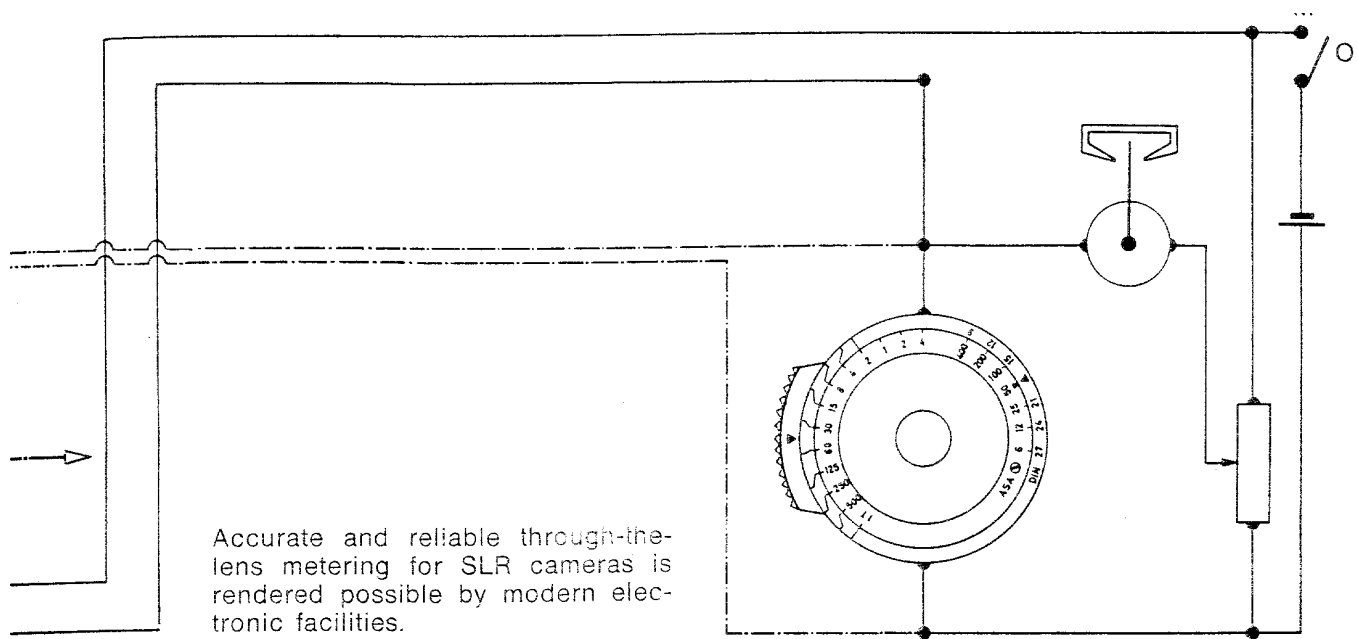
Exposure time control
from wide-angle to telephoto close-ups



Standard-

Lens

Exposure time control
through filter, extension tube —
and even in microscopy



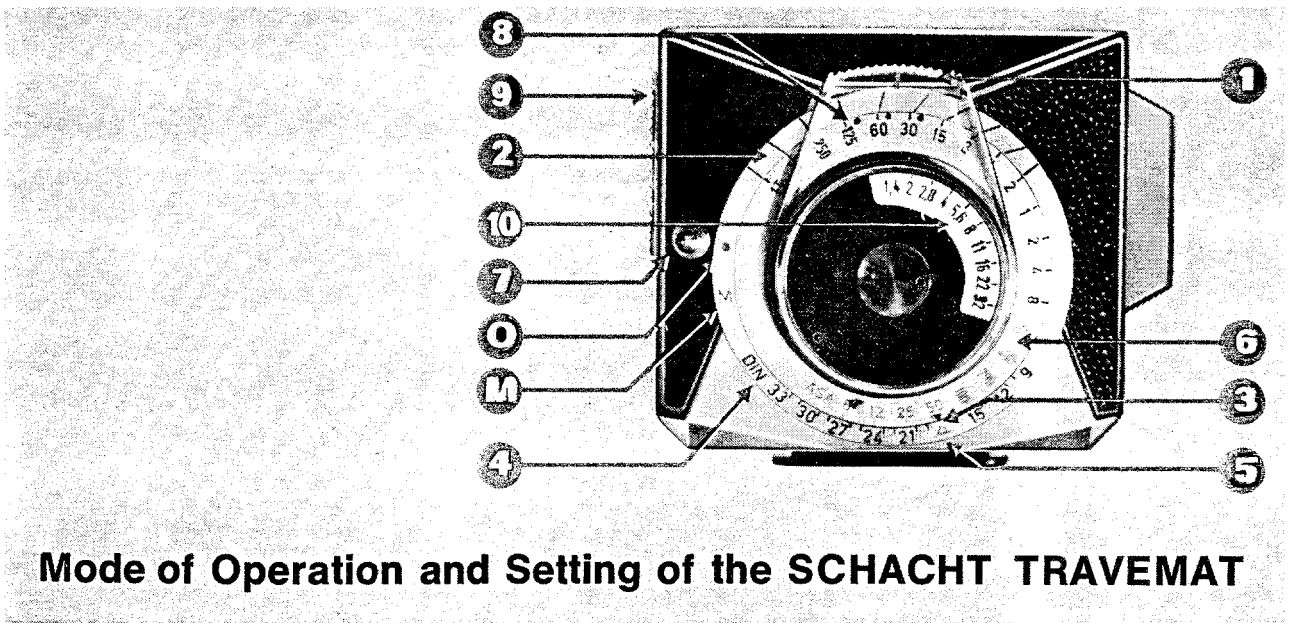
PRISM VIEWFINDER WITH EXPOSURE METER

The SCHACHT TRAVEMAT, a prism viewfinder with exposure meter for SLR cameras provided with interchangeable viewfinder systems like the Exakta Varex, Exakta real, Edixa-Reflex, etc., combines the advantages of an interchangeable prism viewfinder with the benefits of the through-the-lens metering system.

Perfect light reading is the problem with mirror reflex cameras, particularly when all advantages of this type — e. g. interchangeable lenses, extension tubes, etc. — are made use of.

The exposure time obtained for the standard lens by conventional means is no longer correct when using a telephoto or wide-angle lens; such an alteration in exposure time is becoming even more critical when using filters, extension tubes or in microscopy.

The SCHACHT TRAVEMAT — applicable to all cameras with interchangeable viewfinder system — is the one and only answer to all these problems. For a reflex camera you may already have been using for years or for cameras built today or in the years to come, the combined prism viewfinder and exposure meter guarantees accurate and reliable through-the-lens metering.



Mode of Operation and Setting of the SCHACHT TRAVEMAT

There are 3 ways of setting the TRAVEMAT:

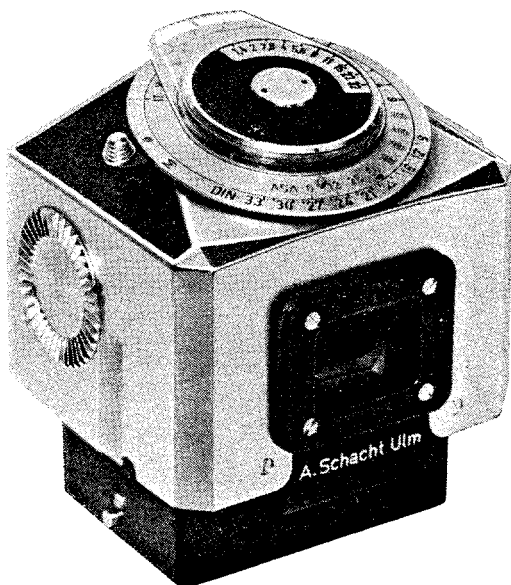
- 1) By pre-selecting the exposure-time:

Pre-select the exposure time on the TRAVEMAT and align indicator with index mark by varying the stop setting at the camera.

- 2) By pre-selecting the Aperture:
- Pre-select the proper aperture. Align indicator with index mark. Read off exposure time at the TRAVEMAT and set camera time selector ring correspondingly.

- 3) By a combination of aperture and exposure: Take a reading with the aperture fully open and the exposure meter coupled. Read off the exposure time for the widest aperture. Shift lever 10 so that the number of the widest possible aperture is against the exposure time given. Read off the most favourable combination for your photograph from the time-scale 6 and the aperture scale 10 and set your camera accordingly.

An indicator and an index mark can be seen in the TRAVEMAT viewfinder field. According to the three possible ways for setting just described, the correct values are obtained when the indicator lies in the center of the index mark. Measuring itself is very simple. Shift lever (7) to "M". Select the proper film speed with index (3) on the DIN scale (4) or index (5) on the ASA scale (6) respectively, then proceed according to one of the three ways described above.



The viewfinder measures the light over the entire picture area and averages it out; thus the metering arrived at always represents an integrated value. If a detail is to be taken out of its surroundings, shift the camera until this detail holds the lower center of the picture area, then adapt stop setting and exposure time correspondingly.

The condition of the battery is tested by resetting 1/60 second in average daylight. The number of aperture stages, which ought ideally to be the full range, is a measure of the battery's condition.

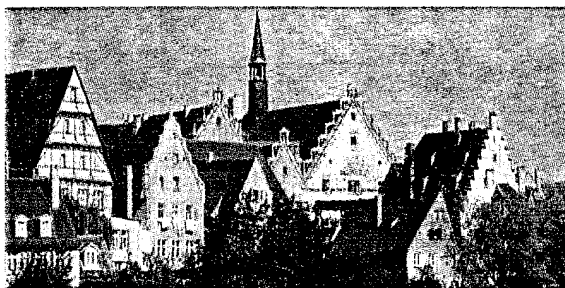
The wide-angle picture (35 mm f/2.8 SCHACHT S TRAVEGON) shows a great deal of blue sky: good light conditions!



The photo shot with a 135 mm f/3.5 SCHACHT TRAVENAR shows the green and grey tones to be dominant: poorer light conditions!



The photo made with the 200 mm f/4 SCHACHT telephoto TRAVELON shows an almost format-filling abundance of green and grey colours: still poorer light conditions!



The above photos make it quite clear that a change in the angle of view (from wide-angle to telephoto lens) will necessarily entail different light and exposure conditions. Under these circumstances the conventional exposure meter is no longer sufficient, since it does not permit evaluation of an altering angle of view and picture area.

Naturally the SCHACHT TRAVEMAT can just as reliably be used for standard lenses.

Finding the correct exposure time when shooting with extension tubes used to be quite a problem. The combined prism viewfinder and exposure meter, however, offers an optimum solution to put an end to this difficulty.

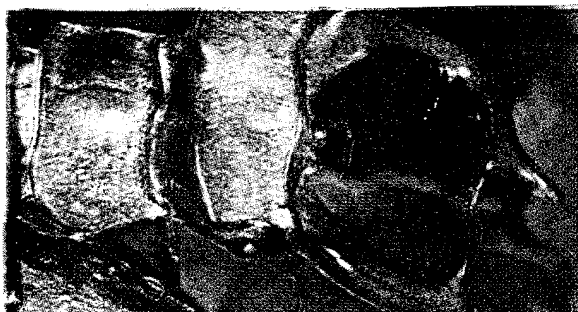


Close-up with 50 mm f/2.8 SCHACHT M TRAVENAR with Macro tube.



For both shots the SCHACHT TRAVEMAT was used to obtain an absolutely identical exposure.

Close-up with 50 mm f/2.8 SCHACHT TRAVENAR and SCHACHT extension tubes.





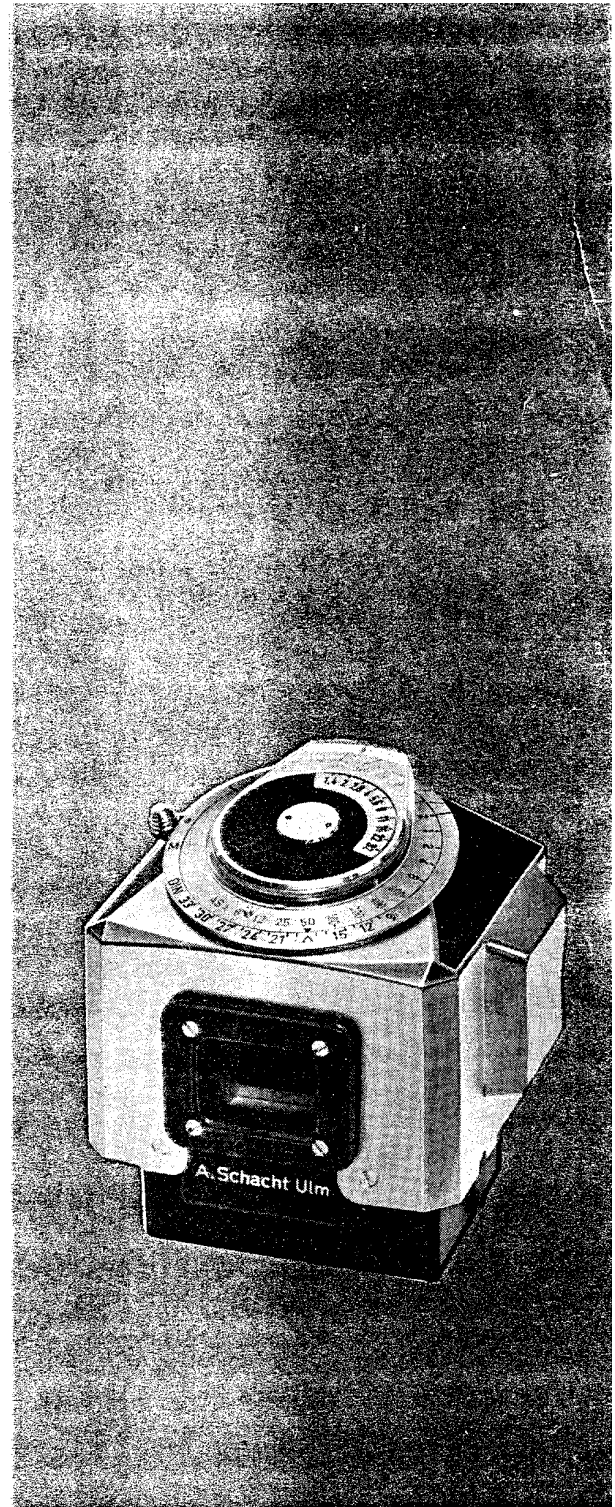
The measuring range of the TRAVEMAT comprises approximately 20 light factors depending on the lens to be used (wide-angle, standard or telephoto lens). The time scale includes exposure times from 1/1000 to 8 secs. At any given time 10 exposure times are given on the exposure time scale. This means that for a film speed of $18^\circ \text{DIN} = 50 \text{ASA}$ and a setting range of 1/1000 to 1/2 s, each exposure factor can be combined with every stop number and vice versa. Having 10 time factors and 9 f/numbers, this means a total of 90 possible settings that will easily cope with all light graduations of the ground-glass image.

The TRAVEMAT operates on a 1.5 V battery. Indication of the measured value is independent of the battery charge. Max. sensitivity is guaranteed by a CdS resistance.

The design of the TRAVEMAT prevents the meter from being misled by tricky backlight which might come in through the viewfinder eyepiece especially when an eye-piece or diopter glass holder is used.

The TRAVEMAT is an unsurpassed example for the painstaking research work of the ALBERT SCHACHT company, which by means of the well-renowned interchangeable lenses has fully adapted itself to the needs of SLR cameras.

The TRAVEMAT again proves it...
SCHACHT is the key to perfect photography.



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