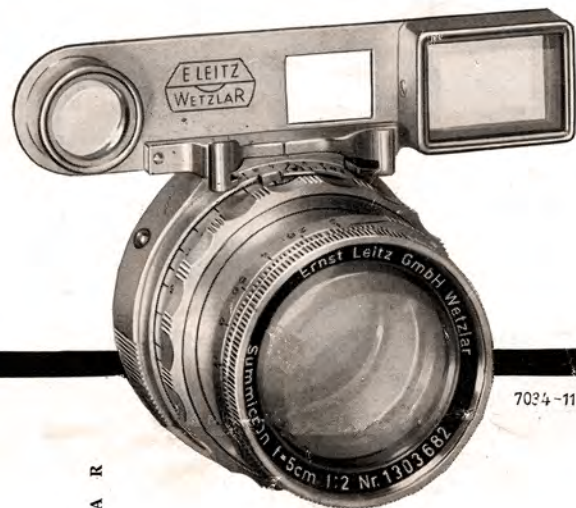


Instructions for the use of the  
50 mm SUMMICRON f/2

Leica

lens with near-focusing range



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ERNST LEITZ GMBH WETZLAR

The 50 mm Summicron f/2 lens with near-focusing range is a new design by the Leitz works. It represents the highest achievement made possible by modern computing optics and the introduction of a novel, highly-refractive type of glass — the so-called lanthanum crown. In this lens, excellent correction in the distant and close-up range is combined with a degree of freedom from vignetting extraordinary for this high speed. Even at full aperture, the Summicron has an excellent resolving power, uncommonly high contrast, and perfect colour correction.

11-15b/Engl.

The near-focusing model of the 50 mm Summicron can be used for two focusing ranges:

1. For Infinity to 1 m (normal range)
2. For 88 cm to 48 cm (close-up range)

For exposures in the close-up range an optical viewfinder attachment is pushed onto the lens whereby the coupled measuring viewfinder can also be used for close-up subjects. Thus, the lens offers the additional possibilities of an optical near-focusing device with parallax compensation by extending the normal distance range.

Attaching the lens



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The lens (without viewfinder attachment) is inserted in the Leica M 3 in the usual way and from the position "red dot facing red dot" turned clockwise until it is engaged in a locking catch.

A special amenity: the red dot on the lens is raised, and can therefore be easily located in the dark.

Focusing between infinity and 1 m

In this range, the lens is used like any other Leica lens. At 1 m, focusing is limited by a stop.

Focusing between 88 cm and 48 cm  
(measured from the camera back to the subject to be photographed)

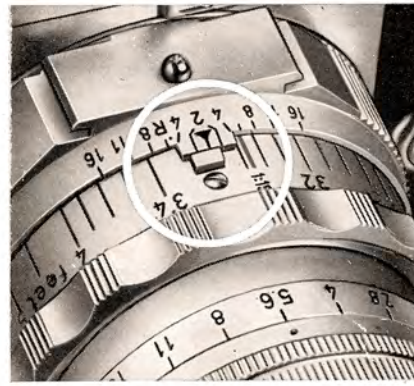


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To change over to the near-focusing range, the focusing ring of the lens is set at 1 m against the stop,



lifted



across the stop,



and set at the 88 cm position, where the lens will remain blocked



until the optical viewfinder front attachment has been pushed fully home into its special fitting. This unblocks the lens movement in the close-up range.

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The exposure can be made out of hand or from a tripod with automatic focusing through the measuring viewfinder, which allows for the reduction of the image field occurring with close-up subjects and provides optical parallax compensation. Due to the decrease in the depth of field, which becomes more noticeable with decreasing subject distance, it is advisable to work at f/8 to f/11 in the close-up range.

Change-over from the close-up to the normal range

In order to return from the close-up to the normal range, the lens is set against the stop at 88 cm, the viewfinder front attachment with-drawn (pull out towards the front), and the lens focusing ring lifted across the stop to the starting position of 1 m.



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Special tasks

The lens head of this lens can be unscrewed (see illustration) and used in connection with the focusing slide or the DIN A 4, A 5, A 6 near-focusing device. (See special leaflets on these devices).

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