



PEAK LUPE 30X

This loupe is a simple microscopic magnifier with a magnification of as high as 30 times.

Obviously a magnifier with a magnifying power of higher than 20 times can be designed more easily by a combination of an objective and an eyepiece separated by a definite distance, i.e. like a compound microscope. However, the compound microscope is accompanied inevitably with a long tube length that hinders its use with one hand. Furthermore, the image viewed through it is inverted. Hence it has often been requested that a high power magnifier like the loupe be made for the purpose of using it with one hand to view an erected image, with its optical performance as of only secondary importance.

This loupe is our new product for meeting these demands, especially those of engineers in photo-mechanical and precision machining works. The loupe is so small and lightweight that one can manage it quite easily with one hand, while the other hand holds the object to be examined. Owing to our excellent optical design, the performance is almost comparable with that of a compound microscope of the same magnifying power, while the image viewed is of course erected.

The loupe is composed of four lenses in two groups. It is designed to give the widest image field when the pupil of the observing eye is placed on the optical axis at an 8 mm distance from the outer vertex of the loupe.

Hence the user should press the hood of the loupe on his face tightly with one hand, while the other hand holds the object to be inspected and adjusts its distance from the loupe for focusing. The depth of sharp field is very shallow due to the high magnifying power of the loupe, so it is recommended that the user make some exercises for fine focusing. It is also necessary to hold the loupe in such a way that the optical axis of it coincides with the visual axis of the eye, or in other words, the plane of the end surface of the loupe is perpendicular to the visual axis.



No. 1996-L

PEAK LIGHT LUPE 30X

Insufficient supply of light has been improved by attaching to the Peak Lupe 30X an illuminating device consisting of the Penlight and the holder.

Observations can be achieved more easily than ever.

Item No.	Magnification	Effective aperture	Size	Net weight
No. 1996	30X	7 mm ϕ	37 ϕ \times 20 mm	10 gm.
No. 1996-L	30X	7 mm ϕ	43 ϕ \times 65 \times 184 mm	40 gm.