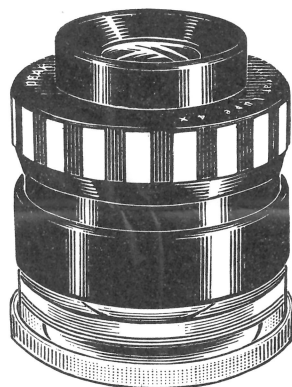


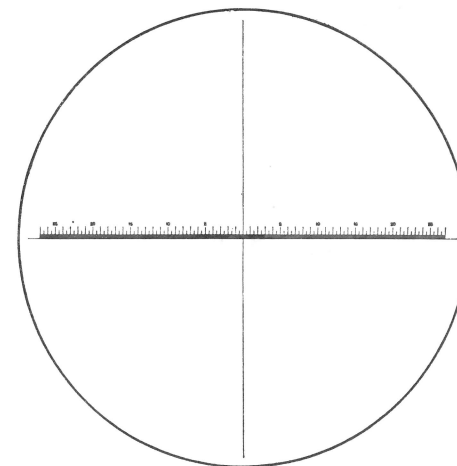
No. 1990



PEAK ANASTIGMATIC LUPE 4X

This loupe with 4× magnifying power is specially designed to enable observers to simultaneously inspect the whole picture area of the standard micro-film size, i.e. 32 mm×45 mm, or flat objects less than 58 mm in diameter. The image observed through the loupe is critically sharp from the center to the edge of the image field, because of the careful optical correction of the loupe for the astigmatism and the curvature of field as well as aberrations concerning the image of the central image. Ordinary magnifiers are corrected only for the central image. In this respect this loupe is quite similar to anastigmatic photographic lenses, and is manufactured with the same care and precision as they are.

One point which distinguishes this loupe from photo-lenses is that the position of the effective pupil of the loupe has been placed as far as 25 mm above the upper pole of the loupe, so that an observer can inspect the whole image field by merely moving his eyeball, without moving his face. This is an extremely advantageous feature for a micro-filmer, because it enables him to inspect a number of negatives very speedily and comfortably.



Therefore, this loupe is recommended as the most suitable model if an extended area is to be inspected at one time, such as when inspecting negatives and color slides of 35 mm size (24 mm×36 mm) as well as standard size micro-films.

A part of the barrel of this loupe is made of a transparent plastic tube, an exclusive feature of the Peak loupe series, for the purpose of illuminating opaque objects under the loupe that cannot be illuminated by a transmitting light. A smooth focusing device is provided to accommodate the vision of an individual observer. A detachable glass scale, as shown in the illustration, is also provided at the position of the object plane of the loupe, to enable the observer to measure the size of the object very simply and easily.

In case only a part of the object is to be inspected with high magnifying power, the higher power Peak loupe, 7×, 10×, 15×, 22× or 30× should be chosen.

Magnification: 4×
Size: 73φ×77 mm
Net weight: 272 gm.

We are producing lenses, prisms, glasses and measuring instruments according to specifications by individual customers.