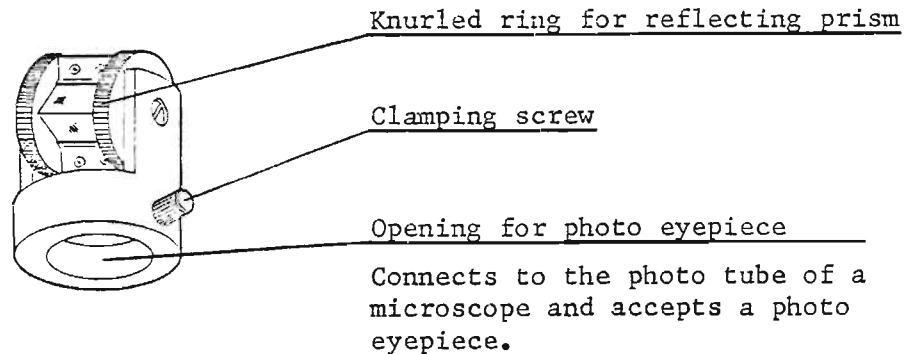
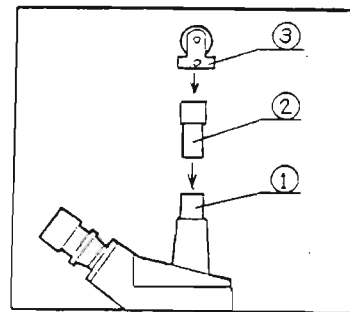


o Nomenclature



o Instructions for Use

- 1) Insert the FK photo eyepiece ② into the photo tube ① of a microscope.
- 2) Put the microprojector ③ on the photo eyepiece and clamp.
- 3) Switch on the microscope illuminator.
- 4) Rotate the knurled ring for reflecting prism and FK photo eyepiece respectively until the image of an object can be projected on the projection screen on the wall.



- 5) Bring the image into focus by means of coarse and fine adjustments of the microscope.

o Take the following steps to obtain optimum screen brightness:

- 1) Dim the room as much as possible.
- 2) Use the FK photo eyepiece 2.5X or 3.3X.  
\*KF5X and FK6.7 are not recommended in this use because of their insufficient screen brightness.
- 3) As light intensity is in inverse proportion with the square of projection distance, optimum distance is approximately 1m. In case of high power objectives, the distance is limited about 3m.
- 4) Objectives are parfocal at the projection distance of 1m; otherwise they are not.
- 5) The optional halogen light source BH-LSH is recommended for excellent screen brightness and the prolonged service life of the halogen bulb.
- 6) 100X objectives are not recommended for use in conjunction with this instrument because they lack screen brightness.
- 7) For use with a BHC microscope, use this projector in conjunction with an objective lower than 20X, and the photo eyepiece FK2.5X at a projection distance 1m at maximum.

o Image Magnification

Formula: Objective power X FK photo eyepiece power X  $\frac{\text{Projection distance (cm)}}{12.5}$

Ex: Objective : 10X

FK photo eyepiece : 2.5X

Projection distance: 1m

Image magnification =  $10 \times 2.5 \times \frac{100}{12.5} = 200$  (times)

o Projection Area

Projection distance	Area
50cm	25cm dia.
100cm	50cm dia.
200cm	90cm dia.
300cm	140cm dia.

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