

INSTRUCTIONS

SIMPLE POLARIZING ATTACHMENT BH2-KP

WARNING

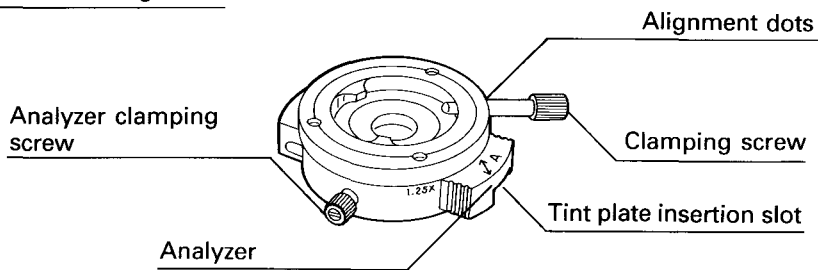
The BH2-KP is a polarizing attachment for use with an OLYMPUS BH2 Series microscopes.

Installing the intermediate polarizing tube under the observation tube and the polarizer in the filter receptacle on the microscope stand base, the observer can obtain clear image of a specimen with polarizing characteristics.

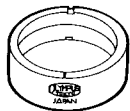
- When inserting the tint plate into the intermediate polarizing tube, the image sensitivity is improved.
- An improved polarization effect can be obtained if you use either the PODplan or the PODAch objective which has been developed specially for the polarizing observation purpose.

1 STANDARD SET COMPONENTS AND THEIR NAMES

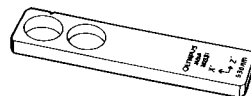
Intermediate Polarizing Tube



Polarizer



Tint Plate

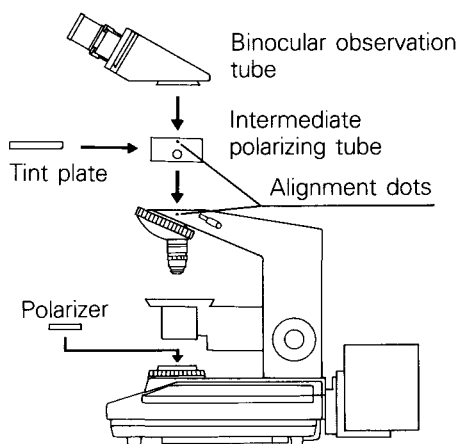


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2 ASSEMBLING METHOD

Remove dirt from the BH2-KP components and also from the microscope parts. Take care not to give damage to any parts.

- When installing the intermediate polarizing tube on the stand, be sure to correctly align the dots on the tube and on the stand.



3 HOW TO USE

1 Setting to the "Crossed Nicol" Position

- ① Slightly loosen the analyzer clamping screw and push the analyzer inward to the stop position where the analyzer is in the light path. Tighten the screw.
- ② Bring the tint plate out of the light path by drawing it out slowly until it contacts the click stop lever.
- ③ Move the specimen slide so that a section bearing no specimen will come into the light path.
- ④ While looking through the eyepieces, rotate the polarizer to the position where the field of view is the darkest ("crossed Nicol" position). Polarizing observation is now possible in this position.

2 Orthoscopic Observation

- ① Swing out the top lens when the swing-out condenser (BH2-SC) is used. When the condenser is of any other type, adjust the aperture diaphragm to as low as 0.25 N.A.
- ② Determine whether or not the specimen has polarizing characteristics by rotating the specimen under the "crossed Nicol" condition.
- ③ To restore an unfiltered condition, slightly loosen the analyzer clamping screw and place the analyzer at its pulled-out position so that the analyzer and the tint plate will be out of the light path.

3 Conoscopic Observation

- ① Remove either right or left eyepiece and insert a centration telescope CT into the eyepiece sleeve. Rotate the helix at the top of the CT and focus it on the pupil of the objective.
- ② Swing in the top lens when the swing-out condenser is used. When the condenser is of any other type, fully open the aperture diaphragm.
- ③ When the observed object is small, adjust the field stop accordingly to reduce the aperture.

The design of the product is under constant review and whilst every effort is made to keep this manual up to date, the right is reserved to change specifications and equipment at any time without prior notice.

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