



Model:

B-150POL-BALC

Typology:

EDUCATIONAL POLARIZING MICROSCOPE

Description:

Educational microscope for routine applications.

Dye-cast frame, with high stability and ergonomy, for transmitted light observation. Automatic light control feature.

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| Model | B-150POL-BALC: binocular with rotatable stage; objectives 4x, 10x, 40x. |
| Illumination | <p>Light source type: white LED; light intensity control using a knob on left side of the frame. LED power: 1W. Color temperature: 6300K LED average lifetime approx.: 50.000h External power supply 100/240Vac, 50/60Hz, output: 5Vdc 500mA.</p> <p>Rotatable swing-out polarizer filter, slide-out analyzer filter.</p> <p>ALC (Automatic Light Control): the level of light is adjusted by the microscope in order to maintain the same level as the one the user has chosen, no matter if the aperture of the diaphragm changes, another objective is inserted, opacity of the sample changes, etc.</p> |
| Observation Modes | Brightfield, polarization |
| Focusing | Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob. |
| Stage | Rotatable stage, diameter 120mm. |
| Nosepiece | Quadruple revolving nosepiece, rotation on ball bearings. |
| Head | Binocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 48-75 mm. |
| Eyepieces | Widefield eyepieces WF10X/18 with field number 18mm. |
| Objectives | Achromatic objectives with mechanical tube length 160 mm, made by following objectives: -) Achromatic DIN 4X, A.N. 0.10, W.D. 18 mm -) Achromatic DIN 10X, A.N. 0.25, W.D. 7 mm -) Achromatic DIN 40X, A.N. 0.65, W.D. 0,53 mm All objectives are treated with an anti-fungus treatment. |
| Condenser | Abbe condenser, N.A. 1.2 precentered. |
| Dimensions | HEIGHT: 350 mm WIDTH: 170 mm DEPTH: 210 mm WEIGHT: 4 kg |
| Accessories | Instruction manual and dust cover included. |