



Model:

B-159ALC

Typology:

EDUCATIONAL MICROSCOPE

Description:

Educational microscope for routine applications.

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

Model	B-159ALC: binocular with double layer stage; objectives 4x, 10x, 40x, 100x
Illumination	Light source: 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. 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.
Observation Modes	Brightfield
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	Double layer with mechanical sliding stage, size 125x116mm, X-Y movement range 76x30. Specimen holder for one slide. Vernier scale on the two axes, accuracy 0,1 mm.
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	Widfield eyepieces WF10X/18 with field number 18mm.
Objectives	Achromatic objectives with mechanical tube length 160mm: -) 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 -) Achromatic DIN 100X, A.N. 1,25, W.D. 0,13 mm (oil immersion) 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.