



Model:

**B-382PL-ALC**

Typology:

**ROUTINE MICROSCOPE**

**Description:**

*Educational and laboratory microscope for routine applications.*

*Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

<b>Illumination</b>	<p>Light source: X-LED<sup>3</sup>; light intensity control using a knob on left side of the frame.          LED power: 3.6W, comparable to a 35W halogen bulb.          Color temperature: 6300K          LED average lifetime: 50000h.</p> <p><b>Automatic Light Control</b> function: 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> <p>Power supply: Input 110/240Vac, 50/60Hz; Output 6Vdc 1A          Max. required power: 6W</p>
<b>Observation modes</b>	Brightfield.
<b>Focusing</b>	<p>Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen.          Flat fine focusing knob on the right side.          Adjustable tension of coarse focusing knob.</p>
<b>Stage</b>	<p>Double layer with mechanical sliding stage, size 160x140mm.          Anti-scratch surface.          Vernier scale on the two axes, accuracy 0,1 mm.</p>
<b>Nosepiece</b>	Quintuple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	<p>Binocular observation head, inclined 30° and rotatable 360°.          Diopter adjustment on left eyepiece.          Interpupillary adjustment 48-75 mm.</p>
<b>Eyepieces</b>	Widefield eyepieces WF10X/20 with field number 20.
<b>Objectives</b>	<p>160mm E-PLAN objectives:          -) E-Plan 4X, N.A. 0.10, W.D. 13.8 mm          -) E-Plan 10X, N.A. 0.25, W.D. 7.1 mm          -) E-Plan 40X, N.A. 0.65, W.D. 0.3 mm          -) E-Plan 100X, N.A. 1.25, W.D. 0.1 mm (oil immersion)          All objectives have anti-fungus treatment.</p>
<b>Condenser</b>	Abbe condenser, sliding-in, N.A. 1.25 with centering system.
<b>Dimensions</b>	<p>HEIGHT: 480 mm          WIDTH: 210 mm          DEPTH: 370 mm          WEIGHT: 4 kg</p>
<b>Accessories</b>	Instruction manual and dust cover included.