



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.*

<b>Illumination</b>	<p>Light source type: X-LED<sup>1</sup>; light intensity control using a knob on left side of the frame.          LED power: 1 W.          Color temperature: 6,300 K.          LED average lifetime approx.: 50,000 h.          External power supply 100/240 Vac, 50/60 Hz, output: 5 Vdc 500 mA.</p> <p><b>ALC (Automatic Light Control):</b> 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>
<b>Observation Modes</b>	Brightfield.
<b>Focusing</b>	<p>Coaxial coarse and fine focusing mechanism (graduated, 0.004 mm) with upper stop, to prevent the contact between objective and specimen.          Adjustable tension of coarse focusing knob.</p>
<b>Stage</b>	<p>Double layer with mechanical sliding stage, size 125x116 mm, X-Y movement range 76x30 mm.          Specimen holder for one slide.          Vernier scale on the two axes, accuracy 0.1 mm.</p>
<b>Nosepiece</b>	Quadruple 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>	Wide Field, WF 10x/18.
<b>Objectives</b>	<p>HC (high contrast) objectives with mechanical tube length 160 mm, made by following objectives:</p> <ul style="list-style-type: none"> <li>- HC (high contrast) 4x/0.10, W.D. 18 mm</li> <li>- HC (high contrast) 10x/0.25, W.D. 7 mm</li> <li>- HC (high contrast) 40x/0.65, W.D. 0.53 mm</li> <li>- HC (high contrast) 100x/1.25, W.D. 0.13 mm</li> </ul> <p>All objectives are treated with an anti-fungus treatment.</p>
<b>Condenser</b>	Abbe condenser, N.A. 1.2 precentered.
<b>Dimensions</b>	<p>HEIGHT: 350 mm          WIDTH: 170 mm          DEPTH: 210 mm          WEIGHT: 4 kg</p>
<b>Accessories</b>	Instruction manual and dust cover included.