



Model:

**B-153ALC**

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>Model</b>	<b>B-153ALC:</b> monocular with double layer stage; objectives 4x, 10x, 40x, 60x
<b>Illumination</b>	<p>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.</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, 0.002mm) 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 125x116mm, X-Y movement range 76x30.            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>	Monocular observation head, inclined 30° and rotatable 360°.
<b>Eyepieces</b>	Widefield eyepieces WF10X/18 with field number 18mm.
<b>Objectives</b>	<p>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 60X, A.N. 0,85, W.D. 0,45 mm            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.