



Model:  
**B-153R**

Typology:  
**EDUCATIONAL MICROSCOPE**

**Description:**

*Educational microscope for routine applications, with rechargeable battery.  
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

<b>Illumination</b>	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. Internal Lithium rechargeable battery (up to 15 hours of use from a single charge, LED at medium intensity, recharging time: approx. 6 hours).
<b>Observation Modes</b>	Brightfield.
<b>Focusing</b>	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.
<b>Stage</b>	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.
<b>Nosepiece</b>	Quadruple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	Monocular observation head, inclined 30° and rotatable 360°.
<b>Eyepieces</b>	Wide Field, WF 10x/18.
<b>Objectives</b>	HC (high contrast) objectives with mechanical tube length 160 mm, made by following objectives: - HC (high contrast) 4x/0.10, W.D. 18 mm - HC (high contrast) 10x/0.25, W.D. 7 mm - HC (high contrast) 40x/0.65, W.D. 0.53 mm - HC (high contrast) 60x/0.85, W.D. 0.45 mm All objectives are treated with an anti-fungus treatment.
<b>Condenser</b>	Abbe condenser, N.A. 1.2 precentered.
<b>Dimensions</b>	HEIGHT: 350 mm WIDTH: 170 mm DEPTH: 210 mm WEIGHT: 4 kg
<b>Accessories</b>	Instruction manual and dust cover included.