



Model:  
**B-193**

Typology:  
**ROUTINE MICROSCOPE B-193**

**Description:**

*Educational and laboratory microscope for routine applications.*

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

<b>Illumination</b>	Light source type X-LED with white LED; light intensity control using a knob on left side of the frame. LED power 3W, comparable to an halogen bulb 30-35W. Color temperature: 6300K LED average life time approx. 50.000h. Voltage: external power supply 100/240Vac, 50/60Hz, output: 6V Max power required: 7W
<b>Observation Modes</b>	Brightfield
<b>Focusing</b>	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.
<b>Stage</b>	Double layer with mechanical sliding stage, size 125x115mm, X-Y movement range 70x30, 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>	Trinocular observation head, inclined 30° and rotatable 360°. Photo port light split: 50/50 fixed. Diopter adjustment on left eyepiece. Interpupillary adjustment 48-75 mm.
<b>Eyepieces</b>	Wide field eyepieces WF10X/18 with field number 18.
<b>Objectives</b>	Achromatic objectives with mechanical tube lenght 160 mm, made by following objectives: -) 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.
<b>Condenser</b>	Abbe condenser, N.A. 1,25 precentered
<b>Dimensions</b>	HEIGHT: 370 mm WIDHT: 235 mm DEPTH: 290 mm WEIGHT: 6,5 kg
<b>Accessories</b>	Instruction manual and dust cover included