



Model:

**B-383POL**

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>	Light source type X-LED <sup>3</sup> ; light intensity control using a knob on left side of the frame. LED power 3.6W, comparable to a 50W halogen bulb. Color temperature: 6300K LED average lifetime: approx. 50000h. Input Voltage: 110/230Vac, 50/60Hz Max. required power: 7W
<b>Observation modes</b>	Brightfield. Polarized light.
<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>	Rotatable stage with locking mechanism and vernier scale with accuracy 0,1 mm. Diameter 160 mm. Specimen slide clamps.
<b>Nosepiece</b>	Quadruple revolving nosepiece, rotation on ball bearings. Centering system for each objective.
<b>Head</b>	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on both eyepieces. Interpupillary adjustment 48-75 mm. Fixed photo port, 50/50 ratio.
<b>Eyepieces</b>	Widfield eyepieces WF10X/20 with field number 20. One of the eyepieces has a cross-hair reticle for optical centering.
<b>Objectives</b>	E-PLAN IOS POL "strain-free": -) E-Plan IOS POL 4X, N.A. 0.10, W.D. 16.8 mm -) E-Plan IOS POL 10X, N.A. 0.25, W.D. 5.8 mm -) E-Plan IOS POL 40X, N.A. 0.65, W.D. 0.43 mm -) E-Plan IOS POL 60X, N.A. 0.80, W.D. 0.14 mm All objectives are treated with an anti-fungus treatment.
<b>Condenser</b>	N.A. 1.25, with iris diaphragm, focusable and centrable. With rotating polarizer filter.
<b>Bertrand Lens and Polarization Attachment</b>	Swing-out type with centering mechanism for observation in conoscopy/orthoscopy. Rotatable analyzer from 0° to 90° with graduated scale. Tint plates included: -) 1° order red ( $\lambda$ ) -) $\lambda/4$ -) Quartz wedge
<b>Dimensions</b>	HEIGHT: 480 mm (without attachment) / 540 mm (with attachment) WIDTH: 210 mm DEPTH: 370 mm WEIGHT: 5 kg
<b>Accessories</b>	Instruction manual and dust cover included.