



Model:

**B-800PH**

Typology:

**RESEARCH MICROSCOPE****Description:***Laboratory microscope for routine and research applications.**Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

<b>Illumination</b>	<p><b>High-efficiency pure white X-LED.</b>          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: 50.000h.          External power supply: Input 100-240Vac 50-60Hz / Output 6Vdc 2,5A          Max. required power: 7W</p>
<b>Observation Modes</b>	Brightfield, darkfield and phase contrast.
<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.          Right fine focus knob "flat type" (for use with fingertip).</p>
<b>Stage</b>	<p>Double layer with mechanical sliding stage, size 175x145 mm, X-Y movement range 76x52 mm.          Specimen holder for two slides.          Vernier scale on two axes, accuracy 0,1 mm.</p>
<b>Nosepiece</b>	<p>Quintuple revolving nosepiece, rotation on ball bearings.          Sextuple revolving nosepiece, rotation on ball bearings.</p>
<b>Head</b>	<p>Trinocular observation head, inclined 30° and rotatable 360°.          Diopter adjustment on left eyepiece.          Interpupillary adjustment: 55-75 mm.          Photo port split: 100 (eyepieces) / 0 (camera) and 50 (eyepieces) / 50 (camera).</p> <p>Binocular observation ERGO head, adjustable 30° - 60° and rotatable 360°.          Diopter adjustment on left eyepiece.          Interpupillary adjustment 55-75 mm.</p> <p>Trinocular observation ERGO head, adjustable 5° - 35° and rotatable 360°.          Diopter adjustment on left eyepiece.          Interpupillary adjustment 48-75 mm.</p>
<b>Eyepieces</b>	Wide field eyepieces WF10X/22 with field number 22.
<b>Objectives</b>	<p>Infinity corrected optical system <b>IOS (Infinity Optical System)</b>.          IOS Phase Contrast Plan objectives:          -) Plan-achromatic IOS 10XPh, N.A. 0.25, W.D. 10 mm          -) Plan-achromatic IOS 20XPh, N.A. 0.40, W.D. 5.1 mm          -) Plan-achromatic IOS 40XPh, N.A. 0.65, W.D. 0.54 mm          -) Plan-achromatic IOS 100XPh, N.A. 1.25, W.D. 0.13 mm (oil immersion)          All objectives are treated with an anti-fungus treatment.</p>
<b>Condenser</b>	Phase contrast condenser (for objectives 10x, 20, 40x, 100x) with Brightfield and Darkfield positions.
<b>Dimensions</b>	<p>HEIGHT: 460 mm          WIDTH: 250 mm          DEPTH: 394 mm          WEIGHT: 10 kg</p>
<b>Accessories</b>	<p>Centering Telescope included.          Instruction manual and dust cover included.</p>