



Model:

**B-500TPh**

Typology:

**LABORATORY MICROSCOPE**

**Description:**

*Laboratory microscope for routine and research 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 50W. Color temperature: 6300K LED average life time approx. 50.000h. The light exit can be used as a filter holder for additional filters (blue, yellow, frosted). Voltage: 110/230Vac, 50/60Hz, 0,4/0,8A; Fuse: T3.15A 250V Max power required: 7W
<b>Observation Modes</b>	Brightfield, negative Phase Contrast.
<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 175x145mm, X-Y movement range 76x52, specimen holder for two slides. Vernier scale on the two axes, accuracy 0,1 mm.
<b>Nosepiece</b>	Quintuple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm.
<b>Eyepieces</b>	Wide field eyepieces WF10X/22 with field number 22.
<b>Objectives</b>	<b>Infinity corrected optical system InfiniFix</b> Plan-achromatic objectives with mechanical tube length 160 mm, made by following objectives: -) Plan-achromatic 10XPh, N.A. 0.25, W.D. 1,30 mm -) Plan-achromatic 20XPh, N.A. 0.40, W.D. 0,55 mm -) Plan-achromatic 40XPh, N.A. 0.65, W.D. 0,25 mm -) Plan-achromatic 100XPh, N.A. 1,25, W.D. 0,10 mm (oil immersion) All objectives are treated with an anti-fungus treatment.
<b>Condenser</b>	Phase contrast condenser (for 10x, 20x, 40x, 100x objectives) and brightfield. Condenser for brightfield, swing-out N.A. 1,2.
<b>Dimensions</b>	HEIGHT: 420 mm WIDTH: 250 mm DEPTH: 290 mm WEIGHT: 8 kg
<b>Accessories</b>	Centering Telescope included. Instruction manual and dust cover included.