



Model:

**B-500TDK**

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 30-35W. 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). <u>Darkfield illuminator based on high efficiency LED.</u> Voltage: 110/230Vac, 50/60Hz, 0,4/0,8A; Fuse: T3.15A 250V Max power required: 7W
<b>Observation Modes</b>	Brightfield, darkfield.
<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 4X, A.N. 0.10, W.D. 9,10 mm -) Plan-achromatic 10X, A.N. 0.25, W.D. 1,30 mm -) Plan-achromatic 40X, A.N. 0.65, W.D. 0,25 mm -) PlanAchromatic 100X <u>with iris</u> , A.N. 1,25, W.D. 0,1 mm (oil immersion) All objectives are treated with an anti-fungus treatment.
<b>Condenser</b>	Swing-out type, N.A. 1,25 with centering system. Darkfield condenser N.A. 1,36 with built-in X-LED.
<b>Dimensions</b>	HEIGHT: 420 mm WIDTH: 250 mm DEPTH: 290 mm WEIGHT: 8 kg
<b>Accessories</b>	Instruction manual and dust cover included.