



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.

Illumination	<p>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). <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</p>
Observation Modes	Brightfield, darkfield.
Focusing	<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.</p>
Stage	<p>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.</p>
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings.
Head	<p>Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm.</p>
Eyepieces	Wide field eyepieces WF10X/22 with field number 22.
Objectives	<p>Infinity corrected optical system InfiniFix 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.</p>
Condenser	<p>Swing-out type, N.A. 1,25 with centering system. Darkfield condenser N.A. 1,36 with built-in X-LED.</p>
Dimensions	<p>HEIGHT: 420 mm WIDTH: 250 mm DEPTH: 290 mm WEIGHT: 8 kg</p>
Accessories	<p>Centering Telescope included. Instruction manual and dust cover included.</p>