



Model:
B-500Ti-5

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-LED³ 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</p>
Observation Modes	Brightfield
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 (main head) and binocular (discussion heads), inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm. Multi-viewing device (4 observers simultaneous with the main observer). Discussion LED pointer with 3 selectable colors (red, green, blue) and intensity adjustment.</p>
Eyepieces	Widefield eyepieces WF10X with field number 22 (on main head) and field number 20 (on discussion heads).
Objectives	<p>Infinity corrected optical system IOS (Infinity Optical System). Plan-achromatic objectives infinity corrected, made by following objectives: -) Plan-achromatic IOS 4X, A.N. 0.10, W.D. 11.9 mm -) Plan-achromatic IOS 10X, A.N. 0.25, W.D. 12.1 mm -) Plan-achromatic IOS 40X, A.N. 0.65, W.D. 0.36 mm -) Plan-achromatic IOS 100X, A.N. 1,25, W.D. 0.18 mm (oil immersion) All objectives are treated with an anti-fungus treatment.</p>
Condenser	Swing-out type, N.A.0,9 with centering system.
Dimensions	<p><i>Main body:</i> HEIGHT: 420 mm WIDTH: 250 mm DEPTH: 290 mm WEIGHT: 8 kg <i>Overall dimensions :</i> WIDTH: 1500 mm WEIGHT: 12 kg</p>
Accessories	Instruction manual and dust cover included.