



Model:

B-353LD2

Typology:

ROUTINE MICROSCOPE

Description:

Educational and laboratory microscope for routine applications.

Dye-cast frame, with high stability and ergonomy, for transmitted light and fluorescence reflected light observation.

Illumination	<p><u>Transmitted light:</u> Light source type X-LED with white LED; light intensity control using a knob on right side of the frame. LED power 3W, comparable to an halogen bulb 30-35W. Color temperature: 6300K LED average life time approx. 50000h. The light exit can be used as a filter holder for additional filters (blue, yellow, frosted).</p> <p><u>Reflected light:</u> Light source type X-LED with <u>white</u> LED; light intensity control using a knob on right side of the frame. LED power: 3W. LED average life time approx. 50.000h.</p> <p>Voltage: 110/230Vac, 50/60Hz, 0,4/0,8A; Fuse: F2A 250V Max power required: 7W</p>
Observation modes	Brightfield, Fluorescence B and G Fluorescence B: EX 450-480, DM 500, EM 515; Fluorescence G: EX 510-550, DM 570, EM 590;
Fluorochromes	Excitation B: Acridine Yellow, Acridine Orange, Auramine, DiO, DTAF, FITC, GFP, YFP, etc. Excitation G: DiL; Blu Evans, Feulgen, Rhodamine, Texas Red, TRITC, PI, etc.
Focusing	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.
Stage	Double layer with mechanical sliding stage, size 160x142mm, X-Y movement range 76x52. Specimen holder for two slides. Vernier scale on the two axes, accuracy 0,1 mm.
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings.
Head	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on both eyepieces. Interpupillary adjustment 55-75 mm.
Eyepieces	Widefield eyepieces WF10X/20 with field number 20.
Objectives	Plan-achromatic objectives IOS (infinity corrected), made by following objectives: -) Plan-achromatic IOS 4X, A.N. 0.10, W.D. 4,3 mm -) Plan-achromatic IOS 10X, A.N. 0.25, W.D. 4,7 mm -) Plan-achromatic IOS 20x, A.N., 0,40, W.D. 1,75 mm -) Plan-achromatic IOS 40X, A.N. 0.65, W.D. 0,4 mm -) Plan-achromatic IOS 50X, A.N. 0,75, W.D. 0,3 mm (no cover) All objectives are treated with an anti-fungus treatment
Condenser	Abbe condenser, N.A. 1,25 with centering system.
Dimensions	HEIGHT: 445 mm (without attachment) / 520 mm (with attachment) WIDTH: 205 mm DEPTH: 375 mm WEIGHT: 4 kg
Accessories	Instruction manual and dust cover included.