



Model:

B-500BiPh

Typology:

LABORATORY MICROSCOPE

Description:

Laboratory microscope for routine and research applications.

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

Illumination	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 lifetime: 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
Observation Modes	Brightfield, negative Phase Contrast
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 175x145mm, 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	Binocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm.
Eyepieces	Wide field eyepieces WF10X/22 with field number 22.
Objectives	Infinity corrected optical system IOS (Infinity Optical System). Plan-achromatic objectives infinity corrected, made by following objectives: -) Plan-achromatic IOS 10XPh, A.N. 0.25, W.D. 4,1 mm -) Plan-achromatic IOS 20XPh, A.N. 0.40, W.D. 1,45 mm -) Plan-achromatic IOS 40XPh, A.N. 0.65, W.D. 0,50 mm -) Plan-achromatic IOS 100XPh, A.N. 1,25, W.D. 0,08 mm (oil immersion) All objectives are treated with an anti-fungus treatment.
Condenser	Condenser for phase contrast (for objectives 10x, 20, 40x, 100x) and brightfield. Condenser for brightfield, swing-out N.A. 0,9.
Dimensions	HEIGHT: 420 mm WIDHT: 250 mm DEPTH: 290 mm WEIGHT: 8 kg
Accessories	Centering Telescope included. Instruction manual and dust cover included.