



Model:

B-500ASB

Typology:

LABORATORY MICROSCOPE

Description:

Laboratory microscope for routine and research applications.

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

Specific equipment for asbestos analysis.

Illumination	Light source type X-LED ³ ; light intensity control using a knob on left side of the frame. LED power: 3.6W, comparable to a 50W halogen bulb. 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, 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	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm.
Eyepieces	One pair: 12,5X Walton-Beckett eyepieces with focus adjustment. One pair: widefield eyepieces WF10X/22 with field number 22.
Objectives	Infinity corrected optical system InfiniFix Plan-achromatic objectives with mechanical tube length 160 mm, made by following objectives: -) Plan-achromatic 4X, N.A. 0,10, W.D. 9,10 mm -) Plan-achromatic 10X, N.A. 0,25, W.D. 1,30 mm -) Plan-achromatic 40X, N.A. 0,65, W.D. 0,25 mm -) Plan-achromatic 40XPH, N.A. 0,65, W.D. 0,25 mm for phase contrast -) Plan-achromatic 100X, N.A. 1,25, W.D. 0,10 mm (oil immersion) All objectives are treated with an anti-fungus treatment.
Condenser	-) Phase contrast condenser for 40XPH objective. -) Swing-out type condenser, N.A. 1,25. Both condensers with centering system.
Dimensions	HEIGHT: 420 mm WIDTH: 250 mm DEPTH: 290 mm WEIGHT: 8 kg
Accessories	Instruction manual and dust cover included.