

Model:
B-382PHi-ALC

Typology:
ROUTINE MICROSCOPE

Description:
Educational and laboratory microscope for routine applications.
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.

Illumination	Light source: 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: 50000h. **Automatic Light Control** function: the level of light is adjusted by the microscope in order to maintain the same level as the one the user has chosen, no matter if the aperture of the diaphgram changes, another objective is inserted, opacity of the sample changes, etc. Power supply: Input 110/240Vac, 50/60Hz; Output 6Vdc 1A Max. required power: 6W
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. Flat fine focusing knob on the right side. Adjustable tension of coarse focusing knob.
Stage	Double layer with mechanical sliding stage, size 216x150mm, X-Y movement range 78x54mm. Belt-drive in X direction. Anti-scratch surface. 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 48-75 mm.
Eyepieces	Widefield eyepieces WF10X/20 with field number 20.
Objectives	Infinity PLAN objectives: -) Plan IOS 10XPH, N.A. 0.25, W.D. 10 mm -) Plan IOS 20XPH, N.A. 0.40, W.D. 5.1 mm -) Plan IOS 40XPH, N.A. 0.65, W.D. 0.54 mm -) Plan IOS 100XPH, N.A. 1.25, W.D. 0.13 mm (oil immersion) All objectives have anti-fungus treatment.
Condenser	Phase condenser (10x/20x, 40x, 100x) with darkfield (dry) and brightfield positions
Dimensions	HEIGHT: 480 mm WIDTH: 210 mm DEPTH: 370 mm WEIGHT: 4 kg
Accessories	Instruction manual and dust cover included.