



Model:
B-293

Typology:
ROUTINE MICROSCOPE B-293

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 type with white LED; 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. Voltage: external power supply 100/240Vac, 50/60Hz, output: 6Vdc 1A. Max. required power: 7W.
Observation Modes	Brightfield
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 150x139mm, X-Y movement range 75x33mm, specimen holder for one slide. Belt drive in X direction. Vernier scale on X-Y axes, accuracy 0,1mm.
Nosepiece	Quadruple revolving nosepiece, rotation on ball bearings.
Head	Trinocular observation head, inclined 30° and rotatable 360°. Split ratio 50/50 fixed. Diopter adjustment on left eyepiece. Interpupillary adjustment 48-75 mm.
Eyepieces	Widefield eyepieces WF10X/20 with field number 20
Objectives	E-Plan objectives with mechanical tube length 160mm: -) E-Plan 4X, N.A. 0.10, W.D. 15.2 mm -) E-Plan 10X, N.A. 0.25, W.D. 5.5 mm -) E-Plan 40X, N.A. 0.65, W.D. 0.45 mm -) E-Plan 100X, N.A. 1.25, W.D. 0.13 mm (oil immersion) All objectives are treated with an anti-fungus treatment.
Condenser	NA1.25 Abbe condenser, sliding-in, centrable, up-down adjustment by rack&pinion
Dimensions	HEIGHT: 370 mm WIDTH: 235 mm DEPTH: 290 mm WEIGHT: 6,5 kg
Accessories	Instruction manual and dust cover included