



Model:
B-800BF

Typology:
RESEARCH MICROSCOPE

Description:

*Laboratory microscope for routine and research applications.
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

Illumination	<p>High-efficiency pure white X-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: 50.000h. External power supply: Input 100-240Vac 50-60Hz / Output 6Vdc 2,5A Max. required power: 7W</p>
Observation Modes	Brightfield
Focusing	<p>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. Right fine focus knob "flat type" (for use with fingertip).</p>
Stage	<p>Double layer with mechanical sliding stage, size 175x145 mm, X-Y movement range 76x52 mm. Specimen holder for two slides. Vernier scale on two axes, accuracy 0,1 mm.</p>
Nosepiece	<p>Quintuple revolving nosepiece, rotation on ball bearings.</p> <p>Sextuple revolving nosepiece, rotation on ball bearings.</p>
Head	<p>Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment: 55-75 mm. Photo port split: 100 (eyepieces) / 0 (camera) and 50 (eyepieces) / 50 (camera).</p> <p>Binocular observation ERGO head, adjustable 30° - 60° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm.</p> <p>Trinocular observation ERGO head, adjustable 5° - 35° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 48-75 mm.</p>
Eyepieces	Wide field eyepieces WF10X/22 with field number 22.
Objectives	<p>Infinity corrected optical system IOS (Infinity Optical System). IOS Plan objectives: -) Plan-achromatic IOS 4X, N.A. 0.10, W.D. 4.7 mm -) Plan-achromatic IOS 10X, N.A. 0.25, W.D. 4.1 mm -) Plan-achromatic IOS 20X, N.A. 0.40, W.D. 1.25 mm -) Plan-achromatic IOS 40X, N.A. 0.65, W.D. 0.50 mm -) Plan-achromatic IOS 60X, N.A. 0.85, W.D. 0.1 mm -) Plan-achromatic IOS 100X, N.A. 1.25, W.D. 0.08 mm (oil immersion) All objectives are treated with an anti-fungus treatment.</p> <p>Infinity corrected optical system IOS (Infinity Optical System). IOS Semi-APO FLUO E-Plan objectives: -) Semi-APO FLUO E-Plan IOS 4X, N.A. 0.13, W.D. 4.7 mm -) Semi-APO FLUO E-Plan IOS 10X, N.A. 0.30, W.D. 4.1 mm -) Semi-APO FLUO E-Plan IOS 20X, N.A. 0.50, W.D. 1.25 mm -) Semi-APO FLUO E-Plan IOS 40X, N.A. 0.75, W.D. 0.50 mm -) Semi-APO FLUO E-Plan IOS 100X, N.A. 1.30, W.D. 0.08 mm (oil immersion) All objectives are treated with an anti-fungus treatment.</p>
Condenser	<p>Swing-out type, N.A.0.9 with centering system.</p> <p>Swing-out type, N.A.1.2 with centering system.</p>
Dimensions	<p>HEIGHT: 460 mm WIDTH: 250 mm DEPTH: 394 mm WEIGHT: 10 kg</p>