



Model:
IM-2ERGO

Typology:
INVERTED RESEARCH MICROSCOPE

Description

Laboratory inverted 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 8W LED; light intensity control using a knob on front side of the frame. Color temperature: 6300K LED average life time approx. 50.000h Voltage: 110/240Vac, 50/60Hz, 1A ; Fuse: T500mA 250V Max power required: 13W		
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	Fixed stage, dimensions 250x160 mm. Glass stage insert with hole for small dimension specimens. OPTIONAL: Mechanical stage mountable on the right side of the stage, total dimension=250x230 mm, with metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates, etc. Pair of side extensions to expand the surface of the stage.		
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings.		
Head	Binocular observation head, tilting angle 5°- 35° and rotatable 360°. Interpupillary adjustment 48-75 mm.		
Eyepieces	Wide field eyepieces EWF10X/22 with field number 22.		
Objectives	Infinity corrected optical system IOS (Infinity Optical System). Plan-achromatic LWD objectives infinity corrected, for thickness 1.2 mm, made by following objectives: -) Plan-achromatic IOS LWD 4X, N.A. 0.10, W.D. 18,0 mm -) Plan-achromatic IOS LWD 10XPh, N.A. 0.25, W.D. 10,0 mm -) Plan-achromatic IOS LWD 20XPh, N.A. 0.40, W.D. 5,1 mm -) Plan-achromatic IOS LWD 40X, N.A. 0.65, W.D. 2,6 mm All objectives are treated with an anti-fungus treatment.		
Condenser	LWD condenser LWD, N.A. 0.30, working distance 72 mm. The condenser can be removed to extend the working distance up to 150 mm. Precentered slider with 10X/20X phase ring.		
Dimensions	HEIGHT: WIDTH: DEPTH: WEIGHT:	490 mm 250 mm 510 mm 9 kg	WIDTH WITH OPTIONAL MECHANICAL STAGE: 300 mm
Accessories	Blue, green and frosted filter. Instruction manual and dust cover included.		