



Model:
IM-3LD

Typology:
INVERTED RESEARCH MICROSCOPE

Description:
Laboratory inverted microscope for research applications. Dye-cast frame, with high stability and ergonomy, for transmitted light and reflected fluorescence observation.

Illumination	Transmitted Light: Light source type X-LED [®] with white 8W LED; light intensity control using a knob on left 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 Reflected Fluorescence Light: High efficiency LED, 18W. Light intensity control using a knob on left side of the frame. LED average life time approx. 50.000h Voltage: 110/240Vac, 50/60Hz, 1A ; Fuse: T500mA 250V Max power required: 24W	
Observation Modes	Brightfield, phase contrast, fluorescence B and G.	
Focusing	Macro- and micrometric adjustment, with coaxial knobs on both sides of the stand. Adjustable tension.	
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, X-Y translation range 120x80 mm, Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates, etc.	
Nosepiece	5 positions, with bidirectional rotation on ball bearings and click stop.	
Head	Trinocular: 45° inclined. Interpupillary distance: 50-75 mm. Adjustable dioptric compensation.	
Eyepieces	Wide field 10x/22mm, High-point.	
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 10XPh, N.A. 0.25, W.D. 7.94 mm -) Plan-achromatic IOS LWD 20XPh, N.A. 0.40, W.D. 7.66 mm -) Plan-achromatic IOS LWD 40XPh, N.A. 0.60, W.D. 3.71 mm All objectives are treated with an anti-fungus treatment.	
Condenser	Long working distance condenser, numerical aperture 0.30, working distance 72 mm. The condenser can be removed in order to increase the working distance to 150 mm.	
Epi-fluorescence filterset	Blue and Green fluorescence filtersets: Fluorescence B: EX 450-490, DM 495, EM 520LP. Fluorescence G: EX 540-580, DM 585, EM 590LP.	
Brightfield filterset	Interferential IF550 green filter and LBD blue filter.	
Dimensions	HEIGHT: 495 mm WIDTH: 230 mm WIDTH WITH OPTIONAL MECHANICAL STAGE: 300 mm DEPTH: 540 mm WEIGHT: 9 kg	
Accessories	Anti-glow fluorescence cap. Instruction manual and dust cover included.	



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.