



Model:
IM-3MET

Typology:
INVERTED RESEARCH MICROSCOPE

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

Illumination	Halogen bulb 12V/50W; intensity light control using a knob on the left side of the frame. Voltage: 110/240Vac, 50/60Hz, 1A ; Fuse: T3.15A 250V. Max power required: 62W
Observation Modes	Brightfield, polarised light.
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. Metal 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 as sample holder. Pair of side extensions to expand the surface of the stage .
Diaphragms	Field and aperture diaphragms (centrable).
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings.
Head	Trinocular observation head, inclined 45°. Diopter adjustment on left eyepiece. Interpupillary adjustment 50-75 mm. Splitting ratios eyepieces-photo tube: 100/0, 50/50.
Eyepieces	Wide field eyepieces WF10X/22 with field number 22.
Objectives	Infinity corrected optical system IOS (Infinity Optical System). Plan-achromatic LWD objectives infinity corrected, made by following objectives: -) Plan-achromatic IOS 5X LWD, A.N. 0,15, W.D. 10,8 mm -) Plan-achromatic IOS 10X LWD, A.N. 0,3, W.D. 10 mm -) Plan-achromatic IOS 20x LWD, A.N. 0,45, W.D. 4 mm -) Plan-achromatic IOS 50X LWD, A.N. 0,55, W.D. 7,9 mm All objectives are treated with an anti-fungus treatment.
Dimensions	HEIGHT: 390 mm WIDTH: 220 mm WIDTH WITH OPTIONAL MECHANICAL STAGE: 300 mm DEPTH: 680 mm WEIGHT: 9 kg
Accessories	Polarizing filter, rotatable analyzer filter, blue and green filter. Instruction manual and dust cover included.