



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.*

<b>Illumination</b>	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
<b>Observation Modes</b>	Brightfield, polarised light.
<b>Focusing</b>	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.
<b>Stage</b>	Fixed stage, dimensions 250x160 mm. Metal stage insert with hole for small dimension specimens. <b>OPTIONAL:</b> 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 .
<b>Diaphragms</b>	Field and aperture diaphragms (centrable).
<b>Nosepiece</b>	Quintuple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	Trinocular observation head, inclined 45°. Diopter adjustment on left eyepiece. Interpupillary adjustment 50-75 mm. Splitting ratios eyepieces-photo tube: 100/0, 50/50.
<b>Eyepieces</b>	Wide field eyepieces WF10X/22 with field number 22.
<b>Objectives</b>	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.
<b>Dimensions</b>	HEIGHT: 390 mm WIDTH: 220 mm      WIDTH WITH OPTIONAL MECHANICAL STAGE: 300 mm DEPTH: 680 mm WEIGHT: 9 kg
<b>Accessories</b>	Polarizing filter, rotatable analyzer filter, blue and green filter. Instruction manual and dust cover included.