



Model:  
**IM-3**

Typology:  
**INVERTED RESEARCH MICROSCOPE**

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

<b>Illumination</b>	Light source type X-LED <sup>®</sup> 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
<b>Observation Modes</b>	Brightfield, phase contrast
<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. 2 stage insert (glass and metal) 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 for slides, Petri dishes, Terasaki, multi-Well plates, etc.
<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, 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.
<b>Condenser</b>	LWD condenser, 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 phase rings 4X/10X and 20X/40X.
<b>Dimensions</b>	HEIGHT: 495 mm WIDTH: 230 mm    WIDTH WITH OPTIONAL MECHANICAL STAGE: 300 mm DEPTH: 540 mm WEIGHT: 9 kg
<b>Accessories</b>	Green filters (IF550), instruction manual and dust cover included.