



Model:

**IM-2**

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.*

<b>Illumination</b>	Light source type X-LED <sup>®</sup> 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
<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. Glass 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, with metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates, etc. Pair of side extensions to expand the surface of the stage.
<b>Nosepiece</b>	Quintuple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 48-75 mm. Splitting ratios (eyepieces-photo tube): 100-0 / 50-50
<b>Eyepieces</b>	Wide field eyepieces EWF10X/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 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. 0,60, W.D. 2,6 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 ring 10X/20X.
<b>Dimensions</b>	HEIGHT: 500 mm WIDTH: 230 mm      WIDTH WITH OPTIONAL MECHANICAL STAGE: 300 mm DEPTH: 535 mm WEIGHT: 9 kg
<b>Accessories</b>	Blue, green and frosted filter. Instruction manual and dust cover included.