



Model:

**B-600MET**

Typology:

**RESEARCH METALLURGICAL MICROSCOPE**

**Description:**

*Laboratory microscope for research applications.*

*Dye-cast frame, with high stability and ergonomics, for transmitted and reflected light observation.*

<b>Illumination</b>	<p><b>Transmitted light:</b>  <b>HALOGEN ILLUMINATION VERSION:</b>  Halogen source 12V/50W; light intensity control using a knob on left side of the frame.  Voltage: 110/240Vac, 50/60Hz, 1A ; Fuse: T3.15A 250V.  Max power required: 60W  <b>X-LED8 ILLUMINATION VERSION:</b>  Light source type X-LED8 with white LED; light intensity control using a knob on left side of the frame.  LED power 8W, comparable to an halogen bulb 100W.  Color temperature: 6300K  LED average life time approx. 50.000h.  The light exit can be used as a filter holder for additional filters (blue, yellow, frosted).  Voltage: 110/240Vac, 50/60Hz, 0,45 A; Fusibile: T3.15A 250V  Max power required: 13W  <b>Reflected light:</b>  Light source type X-LED with white LED; light intensity control using a knob on right side of the frame.  LED power 3W, comparable to an halogen bulb 30-35W.  Color temperature: 6300K  LED average life time approx. 50.000h.  The light exit can be used as a filter holder for additional filters (blue, yellow, frosted).  Voltage: 110/230Vac, 50/60Hz, 0,4/0,8A; Fuse: T3.15A 250V  Max power required: 7W</p>
<b>Observation Modes</b>	Brightfield (transmitted and reflected light), simple polarized light (reflected light). Simple darkfield (reflected 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>	Double layer with mechanical sliding stage, size 175x145mm, X-Y movement range 76x52, specimen holder for two slides. Vernier scale on the two axes, accuracy 0,1 mm.
<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 sleeve Interpupillary adjustment 55-75 mm.
<b>Eyepieces</b>	Wide field eyepieces WF10X/22 with field number 22.
<b>Objectives</b>	Infinity corrected optical system IOS (Infinity Optical System). LWD MET Plan-achromatic objectives infinity corrected, made by following objectives: - ) Plan-achromatic IOS 5X LWD, A.N. 0.14, W.D. 20,5 mm - ) Plan-achromatic IOS 10X LWD, A.N. 0.25, W.D. 16,1 mm - ) Plan-achromatic IOS 20x LWD, A.N., 0,40, W.D. 8,2 mm - ) Plan-achromatic IOS 50X LWD, A.N. 0.70, W.D. 1,8 mm - ) Plan-achromatic IOS 100X, A.N. 0,90, W.D. 0,3 mm All objectives are treated with an anti-fungus treatment.
<b>Condenser</b>	Swing-out type, N.A. 0,70 with centering system.
<b>Dimensions</b>	HEIGHT: 480 mm    WIDHT: 245 mm DEPTH: 380 mm    WEIGHT: 9 kg
<b>Accessories</b>	Instruction manual and dust cover included