



Model:

B-500MET

Typology:

RESEARCH METALLURGICAL MICROSCOPE

Description:

Laboratory microscope for research applications.

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

Illumination	<p>Transmitted and incident light: Light source type X-LED with white LED; light intensity control using a knob on left side of the frame. LED power 3.6W, comparable to an halogen bulb 35W. Color temperature: 6300K LED average lifetime 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>
Observation Modes	Brightfield (transmitted and reflected light), simple polarized light (reflected light). Simple darkfield (reflected 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	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.
Nosepiece	Quintuple revolving nosepiece, rotation on ball bearings.
Head	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece sleeve Interpupillary adjustment 55-75 mm.
Eyepieces	Wide field eyepieces WF10X/22 with field number 22.
Objectives	<p>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. 0,15, 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 -) Plan-achromatic IOS 100X, A.N. 0.90, W.D. 0.3 mm All objectives are treated with an anti-fungus treatment.</p>
Condenser	Swing-out type, N.A. 0.70 with centering system.
Dimensions	<p>HEIGHT: 480 mm WIDTH: 245 mm DEPTH: 380 mm WEIGHT: 9 kg</p>
Accessories	Instruction manual and dust cover included