



Email : sales@scilabexport.com

Phone: +91-7082934803

Product Name :

Binocular Microscope, 1000x Mag LED

Product Code :

SLE/M/05



Website: <https://scilabexport.com>, **Email:** sales@scilabexport.com

1226/1-5, Bengali Mohalla, Science Market | 133001, Harvana



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Description :

This 1000x magnification microscope from is a premium high specification unit for A Level and Higher education applications.

The microscope comes with four achromatic objectives.

Specifications:-

Head: Binocular, 30°inclined, 360°rotating.

Eyepiece: WF10x/18mm

Focusing system: Coaxial coarse and fine.

Stage:Double layer, 125 x 115mm with x-y 70x30mm moving range.

Objectives: Achrom. DIN 4x, 10x, 40x, 100X (Oil).

Magnifications:40x, 100x, 400x, 1000x.

Condenser:1.25 N.A. Abbe.

Illumination:LED with adjustable intensity.

Technical Specifications:-

Illumination Light source type: X-LED with white LED; light intensity control using a knob on left side of the frame. LED power 3W, comparable to an halogen bulb 30-35W.

Colour temperature: 6300K LED average life time approx. 50.000h.

Voltage: external power supply 100/240Vac, 50/60Hz, output: 7,5 VMax power required: 7W

Observation Modes: Brightfield slide. Vernier scale on the two axes, accuracy 0,1 mm.

Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings.

Head: Binocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepieces. Interpupillary adjustment 48-75 mm.

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 125x115mm, X-Y movement range 76x30, specimen holder for one

Eyepieces Wide field eyepieces WF10X/18 with field number 18.

Objectives: Achromatic objectives with mechanical tube length 160 mm, made by following objectives:

-) Achromatic DIN 4X, A.N. 0.10, W.D. 18 mm
-) Achromatic DIN 10X, A.N. 0.25, W.D. 7 mm
-) Achromatic DIN 40X, A.N. 0.65, W.D. 0,53 mm
-) Achromatic DIN 100X, A.N. 1,25, W.D. 0,13 mm (oil immersion)

All objectives are treated with an anti-fungus treatment.

Condenser: Abbe condenser, N.A. 1,25 precentered

Dimensions: HEIGHT: 370 mm

WIDTH: 235 mm

DEPTH: 290 mm

WEIGHT: 6,5 kg

Accessories Instruction manual and dust cover included

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