

**Product Name :**

Binocular Microscope, 1000x Mag LED

**Product Code :**

SLE/M/05



## 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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