Systèmes Didactiques s.a.r.l.

Equipement pour l'enseignement expérimental, scientifique et technique

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Microscope BMS D1-223 POLARISE PLAN



This trinocular microscope is specially designed for research in the field of geology, petrography, mineralogy and medical science.

Trinocular microscope with high resolution plan objectives and two wide field eyepieces with plan optics. The high standard optics provide a clear, sharp, colourful and rich in contrast image. The firm and solid construction of the stand guarantee the stability of the microscope.

The integrated stage can be easily rotated and can be positioned in an easy and accurate way. The rotatable polarizer is attached to the in height adustable Abbe condenser (NA 1.25). All optical surfaces of eyepieces and objectives have been treated an anti-fungus coating.

The lamp house has a Köhler illumination, with iris diaphragm, and carries the LED illumination. This new generation LED delivers an amount of light that best can be compared with a 30 Watt halogen light source. The spectrum of the LED illumination is similar to natural day light. This is comfortable and restful for the eyes.

Technical specifications

Eyepieces: WFP 10x/18mm, with foldable eye guards, anti-fungus coating.
Tubus: 45º inclined, 160mm mechanical tube length, with grub screw to lock in the eyepiece.
Head: trinocular, 360º rotatable, with lock bolt and milled edged screw. IPD 50 - 72mm. Built-in Betrand lens with focussing knob. Bertrand lens and analyzer can be removed.
Analyzer: pull out mechanism with graduation, mounted in head.
Nosepiece: quadruple, ball bearing type.
Objectives: DIN Plan achromatic High Resolution, 4x (N.A. 0.10), 10x (N.A. 0.25), 40x (N.A. 0.65) spring loaded (for slide protection). Objectives can be centered.
Focusing: coaxial coarse and fine adjustment on both sides. Fine adjustment is supplied with a scale division. Each division equals 0.0015mm (0.30mm/rotation).
Stage: circular, ball bearing, with graduation, can be rotated over 360º, 160mm diameter with locking screw. With removable stage clips.
Compensation filters: sliders. Quartz, mica 1/4 and gypsum red 1st order.
Condenser: Abbe condenser (N.A. 1.25) in holder, to be centered by means of screws. Adjustable in height via rack and pinion. With iris diaphragm (0 - 100% adjustable). The polarizer is mounted under the condenser.
Illumination: new generation LED (3 Watt). Light intensity is continuously variable by means of potentiometer. Intensity comparable with 30W halogen. Köhler illumination, with iris diaphragm.
Life span LED: approx. 50,000 hours.
Voltage: 90 - 240 V / 50 Hz. The electric circuit is protected by a dual fuse system.
Detachable power cord.

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Objectives and condenser can be centered in order to guarantee excellent polarisation observations.

Supplied with dust cover and user manual.

Catégories / Arborescence

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