Systèmes Didactiques s.a.r.l.

Equipement pour l'enseignement expérimental, scientifique et technique

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Microscope BMS D1-211 Plan monoculaire



The BMS D1 microscope has high resolution objectives and a wide field (WF) eyepiece with plan optics.
The optics allow the user to view colourful, high contrast, clear images. The stability of the microscope is guaranteed by the solid design of the stand and its base. The stand also has a wide window on the rear.

The BMS D1 microscope is equipped with a large stage and an integrated movable specimen holder. The large working surface, 140 x 150 mm, easily allows two slides at once. The integrated X-Y specimen holder is easy to use thanks to the ergonomically placed coaxial controls.

The Abbe condenser comes complete with a slot for inserting various accessories such as dark field or phase contrast sliders. The condenser can be adjusted in height using the rack and pinion system.

All optical surfaces (eyepiece and objectives) are coated with an anti-fungus layer.

The new generation LED illumination gives comfort and rest to the eye. The spectrum of the LED is equal to that of natural day light and is adjustable in intensity. The LED light source is comparable to a 30W halogen light source.

Eyepiece: WFP 10x / 20mm with foldable eye cups
Tube: 45inclined, 160 mm tube length, with grub screw to lock in the eyepiece
Head: monocular, 360rotatable, with lock bolt and milled edged screw
Nosepiece: quintuple, ball bearing type with rubber grip
Objectives: DIN Plan High Resolution, 4x (N.A. 0.10), 10x (N.A. 0.25), 40x (N.A. 0.65), 60x (N.A. 0.85). The 40x and 60x objectives are spring loaded (for slide protection)
Focusing: coaxial coarse and fine adjustment on both sides. Fine adjustment is supplied with a scale division. Each division equals 0.0015 mm (0.30 mm/rotation)
Stage: 140 x 150 mm, suitable for two slides at one time. Equipped with integrated movable specimen holder with ergonomically placed coaxial controls for accurate X-Y movement. Range 77 x 52 mm
Condenser: Abbe condenser (N.A. 1.25) in holder, with centering screws. Adjustable height via rack and pinion. With iris diaphragm (0 100% adjustable). With slot for inserting various accessories, e.g. dark field or phase contrast sliders (optional)
Illumination: Köhler new generation LED (3 Watt). Light intensity is continuously variable by means of potentiometer. Intensity comparable with 30W halogen. Köhler system with iris diafragm.
Life span LED: approx. 50,000 hours
Magnification: 40x, 100x, 400x and 600x. Optional to be extended to 2000x
Voltage: 90 ~ 240 V / 50 Hz. The electric circuit is protected by a dual fuse system
Detachable power cord
Supplied with: dust cover and user manual

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