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Microscope BMS D1-dig P 1000x



This binocular microscope has a built-in digital camera module, high resolution plan objectives and two wide field (WF) eyepieces 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 simple to operate 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 Köhler LED illumination gives comfort and rest to the eye. The variable intensity can be compared with a 30W halogen light source. The spectrum of the LED is equal to that of natural day light.

Specifications microscope

Eyepieces: WFP 10x / 20mm with foldable eye guard
Tube: 45inclined, 160 mm tube length, with grub screw to lock in the eyepiece
Head: Siedentopf type, binocular with inbuilt digital camera module 2 megapixels, 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), 100x (N.A. 1.25) oil immersion. The 40x and 100x 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 1000x. Optional to be extended to 1500x

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Voltage: 90 240 V / 50 Hz. The electric circuit is protected by a dual fuse system
Detachable power cord
Supplied complete with dust cover and user manual

Specifications camera

Camera: integrated in head
CCD sensor: 1/4 inch Color CMOS sensor with DSP
Effective pixels: 2048 x 1536
Pixels: 3.100,000
Scanning system: Progressive scan
Dynamic range: >62 dB
Sensitivity: 1.0 lux
Frame rate: 15 frames/sec @ 1280 x 960
Electronic control: exposure, white balance and gain
Iris diaphragm: automatic
Communication protocol: USB v2.0
Operating system requirement: Windows? XP (SP2/3), Vista or W7/W8
Including: USB-cable, software CD (BMS PhotoLib)

Catégories / Arborescence

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