Systèmes Didactiques s.a.r.l.

Equipement pour l'enseignement expérimental, scientifique et technique

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Microscop EduLed FLArQ bino

The BMS EduLed microscope is a high quality, robust and well equipped microscope ideal for school and study purposes. Rechargeable batteries enable the BMS EduLed to function also as a portable field microscope (batteries not included).
The transmitted light illumination of BMS EduLed FLArQ is performed by a LED with dimmer (for continuous variation of light intensity) and a height-adjustable Abbe condenser with iris diaphragm. This allows the instrument to not only work with the common 4x, 10x and 40x objectives but also use 100x oil immersion objectives (optional). The objectives are DIN achromatic Semi Plan objectives. With the 10x wide field eyepiece you obtain a total magnification range of 40x-400x (optional 600x and/or 1000x). The optical system provides sharp, clear and true-colour images with high-contrast. The microscope has a 360º rotatable binocular viewing head, coaxial coarse and fine focusing drive and a mechanical stage with ergonomically arranged coaxial controls for easy handling. The microscope has anti-bacterial paint on the metal parts and fungicidal coating on the optical (glass) parts.

Eyepieces: 2 extra large WF10x/18mm (one with pointer)
Head: binocular, 360º rotatable
Tube: 45º inclined
Nosepiece: quadruple revolving nosepiece with click stops and reversed mounted
Objectives: achromatic, semi plan 4x/0.10, 10x/0.25 and 40x/0.65 (spring loaded)
Focussing mechanism: dual coaxial coarse and fine focus controls
Stage: metal plan built-in mechanical stage, 110 x 120mm, with ergonomic arranged coaxial controls
Stage limit stop: preset and adjustable
Condenser: rack and pinion Abbe condenser N.A. 1.25 with iris diaphragm, adjustable in height
Illumination: new generation High Power LED 0.5 W. Light intensity steplessly adjustable through rotary potentiometer, lifespan LED: approx. 50.000 hours
Magnification: 40x, 100x and 400x. Optionally extendable up to 1000x
Integrated handle for easy transport
Power: 100~230V/50Hz
Double electrical safety: full separation from the main power through DPDT* switch.
Multi power use: yes (main power cable, rechargeable batteries, non rechargeable batteries)
Cordless use: 3 hours charging time and 10 hours cordless working time
Detachable IEC power cord: C13 connector (connecting to the microscope) to Schuko
Anti-bacterial paint: yes
Anti-fungus optics: yes
Lenght x Width x Height: 175 mm x 133 mm x 358mm
Weight: 3,5kg

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