Systèmes Didactiques s.a.r.l.
Equipement pour l'enseignement expérimental, scientifique et technique

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Microscop EduLed FLQ

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 fixed condenser with iris diaphragm. This allows the instrument to work with the included 4x, 10x and 40x achromatic semi plan objectives. With the 10x wide field eyepiece you obtain a total magnification range of 40x-400x. The optical system provides sharp, clear and true-colour images with high-contrast. The microscope has a 360º rotatable monocular viewing head, coaxial coarse and fine focusing drive and a metal stage with 2 stage clips.
All parts are locked to the microscope. The microscope has anti-bacterial paint on the metal parts and fungicidal coating on the optical (glass) parts.

Eyepiece: extra large WF10x/18mm with pointer, locked
Head: monocular, 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: 110 x 120mm metal stage with 2 stage clips and one finger touch lift
Stage limit stop: preset and adjustable
Condenser: fixed, N.A. 0.65 with iris diaphragm and filter holder
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
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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