

B-150 Series

Biological microscopes for students



B-150 Series

The B-150 series has been designed to fulfill all requirements of educational laboratories.

The available models are made for a pleasant and effective approach to the world of microscopy.

The quality of the optics, the reliability of the mechanical parts and the excellent price/quality ratio rank these instruments at the top of their category.

- | | |
|-------------------|-----------------------------------------------------|
| B-151 | Monocular microscope, 400x, fixed stage. |
| B-153 | Monocular microscope, 600x, double layer stage. |
| B-155 | Monocular microscope, 1000x, double layer stage. |
| B-157 | Binocular microscope, 600x, double layer stage. |
| B-159 | Binocular microscope, 1000x, double layer stage. |
| B-150POL-M | Monocular polarizing microscope, 400x, round stage. |
| B-150POL-B | Binocular polarizing microscope, 400x, round stage. |

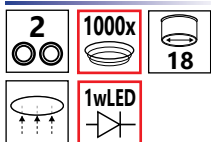


B-150 Series

B-150

This series is the perfect choice for students who want an innovative and easy to use product.

B-159



Heads: Binocular observation head, 30° inclined and 360° rotatable. Interpupillary adjustment 48-75 mm. Diopter adjustment on the left eyepiece.

Monocular observation head, 30° inclined and 360° rotatable.

Focusing: Coaxial coarse and fine focusing mechanism (graduation: 0.002mm) with limit stop to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.

Specimen stages: Double layer mechanical sliding stage, 125x116mm, 76x30mm X-Y movement range. Specimen holder for one slide. Vernier scale on the two axes, accuracy: 0,1mm.

B-151: plain stage, 125X120mm.

B-153 / B-155 / B-157 / B-159: mechanical stage, 126x116mm.

B150POL-M and **B-150POL-B:** rotatable round stage, 120mm diameter.

Illumination: White LED; light intensity controlled by a knob on the left side of the base. LED power: 1W.

Color temperature: 6300K. LED average lifetime: approx. 50.000h

External power supply: 100/240Vac, 50/60Hz. Output: 5Vdc, 500mA.

Condenser: Abbe condenser, 1.2 N.A., precentered.

B-151: Abbe condenser 0.65 N.A., precentered.

B150POL-M and **B-150POL-B:** 1.2 N.A. fixed condenser.



B-150 Series - Models

Polarizing models

Microscopes designed for simple polarization analysis.

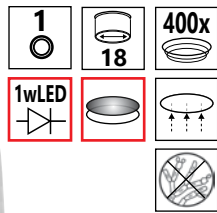
Available in monocular and binocular versions.

The two models are equipped with a swing-out polarizer and a slide-out analyzer as well as a rotating table.

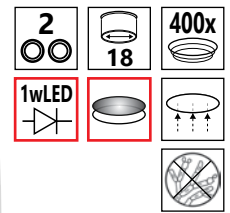
B-150POL-M and **B-150POL-B** are suitable for common observations with polarized light in the educational field.



B-150POL-M



B-150POL-B



Polarized models are available with rechargeable battery **B-150POL-MR / B-150POL-BR** and with ALC light intensity control **B-150POL-MALC / B-150POL-BALC**

B-150 Series - Technical specifications

Model	Head	Eyepiece(s)	Objectives	Stage	Condenser	Focusing	Illuminator
B-151	Monocular 360° rotating, 30° inclined.	WF10x/18mm	Achromatic 4X/10X/40X	Plain stage, 125x120mm with sample clips	0.65 N.A. fixed, with diaphragm	Coaxial coarse and fine focusing me- chanism with limit stop	1W LED with external power supply
B-153	Monocular 360° rotating, 30° inclined.	WF10x/18mm	Achromatic 4X/10X/40X/60X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing me- chanism with limit stop	1W LED with external power supply
B-155	Monocular 360° rotating, 30° inclined.	WF10x/18mm	Achromatic 4x/10X/40X/100X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing me- chanism with limit stop	1W LED with external power supply
B-157	Binocular 360° rotating, 30° inclined.	WF10x/18mm	Achromatic 4X/10X/40X/60X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing me- chanism with limit stop	1W LED with external power supply
B-159	Binocular 360° rotating, 30° inclined.	WF10x/18mm	Achromatic 4x/10X/40X/100X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing me- chanism with limit stop	1W LED with external power supply
B-150POL-M	Monocular 360° rotating, 30° inclined.	WF10x/18mm	Achromatic 4X/10X/40X	Rotatable stage, 120mm diameter	1.2 N.A. fixed, with diaphragm	Coaxial coarse and fine focusing me- chanism with limit stop	1W LED with external power supply. Rotatable swing-out polarizer, slide- out analyzer
B-150POL-B	Binocular 360° rotating, 30° inclined.	WF10x/18mm	Achromatic 4X/10X/40X	Rotatable stage, 120mm diameter	1.2 N.A. fixed, with diaphragm	Coaxial coarse and fine focusing me- chanism with limit stop	1W LED with external power supply. Rotatable swing-out polarizer, slide- out analyzer



B-150 Series - Accessories

B-150

M-001	Eyepiece H5x.
M-002.1	Eyepiece WF10x/18mm.
M-003	Eyepiece WF16x/12mm.
M-004	Eyepiece with micrometer WF10x/18mm.
M-008	Eyepiece with pointer WF10x/18mm.
M-137	Achromatic objective 4x/0,10.
M-138	Achromatic objective 10x/0,25.
M-139	Achromatic objective 20x/0,40.
M-141	Achromatic objective 40x/0,65.
M-142	Achromatic objective 60x/0,80.
M-143	Achromatic objective 100x/1,25 (Oil).
M-040	Attachable mechanical stage. *
M-155	Polarising set (filters only).
M-031	Dust cover type 3.
M-069	Solar battery pack.
M-114	C-Mount adapter for 1/2" sensor.
M-116	C-Mount adapter for 2/3" sensor.
M-173	Photo adapter for APS-C and Full Frame Reflex cameras.
15008	OPTIKA immersion oil 10ml.

* Only for B-151



How to connect the cameras to our microscopes.

Please refer to the Adapter reference list on Digital section.

15104 - Lens cleaner, 50ml

It cleans glass quickly and effectively, without leaving residue or odor. Ideal for precision lens or prism cleaning.



M-069 - Solar battery pack

Included battery: rechargeable – Lithium-Poly. Capacity: 2600 mAh.

Output voltage: 5,5Vdc.

Dimensions: 120x73x10 mm.

Autonomy: over 6 hours at medium intensity (X-LED³).

Charging modes: with solar panel (12h),
with external USB power supply (not included)
or from PC USB port (5h).



Headquarters and Manufacturing Facilities

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