

## B-150 Series

Advanced biological microscopes for students



# B-150 Series

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

The available models allow 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>B-151</b>	Monocular microscope, 400x, fixed stage.
<b>B-153</b>	Monocular microscope, 600x, double layer stage.
<b>B-155</b>	Monocular microscope, 1000x, double layer stage.
<b>B-157</b>	Binocular microscope, 600x, double layer stage.
<b>B-159</b>	Binocular microscope, 1000x, double layer stage.
<b>B-150POL-M</b>	Monocular polarizing microscope, 400x, round stage.
<b>B-150POL-B</b>	Binocular polarizing microscope, 400x, round stage.

## B-150 Range



**B-151**



**B-153**



**B-157**



**B-150POL-M**



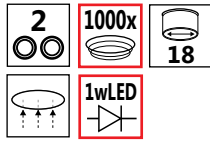
**B-150POL-B**

# 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.

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

**Illumination:** Light source type: 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.

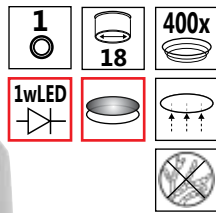
Available in monocular and binocular versions.

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

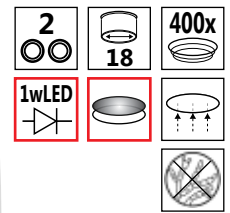
**B-150POL-M** and **B-150POL-B** are suitable for common observations with polarized light in the educational field.



**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	Objectives	Stage	Condenser	Focusing	Illuminator
<b>B-151</b>	Monocular	WF10x/18mm	Achromatic 4X/10X/40X	Plain stage, 125x120mm with sample clips	0.65 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
<b>B-153</b>	Monocular	WF10x/18mm	Achromatic 4X/10X/40X/60X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
<b>B-155</b>	Monocular	WF10x/18mm	DIN Achromatic 4x/10X/40X/100X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
<b>B-157</b>	Binocular	WF10x/18mm	Achromatic 4X/10X/40X/60X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
<b>B-159</b>	Binocular	WF10x/18mm	DIN Achromatic 4x/10X/40X/100X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	LED with external power supply
<b>B-150POL-M</b>	Monocular	WF10x/18mm	DIN Achromatic 4X/10X/40X	Rotatable stage, 120mm diameter	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply. Rotatable swing-out polarizer, slide-out analyzer
<b>B-150POL-B</b>	Binocular	WF10x/18mm	DIN Achromatic 4X/10X/40X	Rotatable stage, 120mm diameter	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism 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 micrometer 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/0.85
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

## 15103 - 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: 2500 mAh.  
Output voltage: 5,5Vdc. Dimensions: 110x70x15 mm.  
Autonomy: 7h at max intensity.  
Charging modes: with solar panel (12h)  
with included power supply (6h).  
By USB port



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