

## Microscopes, educational

**OPTIKA**  
 MICROSCOPES  
 ITALY

Optika educational microscopes for routine applications, with or without rechargeable Lithium battery for portable use

- Dye-cast frame, with high stability and comfort, for transmitted light observation.
- Mechanical stage, adjustable condenser with iris diaphragm
- X-LED<sup>1</sup> Illumination with intensity control
- Unique 60x or 100x N-plan objectives available on the RPL versions
- 100x N-plan objective can be used with water or oil
- Industry leading 10 year warranty on optical and mechanical parts



MS/55000

## Technical Specifications

Model number	B-153	B-153RPL	B-155	B-155RPL	B-159
Eye pieces	WF 10x/18	WF 10x/18	WF 10x/18	WF 10x/18	WF 10x/18
Objectives	4x 10x 40x 60x		4x 10x 40x 100x(Oil or water)		
N Plan objectives	N	Y	N	Y	N
Rechargeable battery	N	Y	N	Y	N

Cat. No.	Code	Description
MS/55000	B-153	Monocular microscope, 600x, double layer stage
MS/55002	B-153R-PL	Monocular microscope 600x, rechargeable Lithium battery
MS/55004	B-155	Monocular microscope, 1000x, double layer stage
MS/55006	B-155R-PL	Monocular microscope 1000x, rechargeable Lithium battery
MS/55008	B-159	Binocular microscope, 1000x, double layer stage
MS/55010	4083.WiFi	Camera, WiFi, 2MP with USB2 socket, gives 5MP when used with a PC

N.B. A range of additional eyepieces and objectives are available, please enquire.

## Microscopes, Optika B-290 Series Routine

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The B-290 series microscopes from Optika, incorporate all the experience they have gathered in the field of light microscopy, adapted specifically for routine laboratory brightfield applications. These microscopes are suitable for routine microscopy and have an ergonomic design for comfortable long-term use.

All the main controls are located close to each other which enables operation with minimal movements.

**Optical system:** The optical system has been developed for demanding users, it consists of high quality components which guarantee a high image contrast and an excellent optical resolution. The optical components have been designed and treated with special techniques to prevent formation of fungi and moulds.

**Stand:** The stand has a modern and ergonomic design which makes the microscope easy to carry thanks to the large opening behind the revolving nosepiece. This enables the stand to be used as a safe handle. The opening allows the user to clearly see the objectives and the samples.

**Mechanics:** The moving parts are made by means of computerised, numerically controlled machine tools which has the effect of reducing manufacturing tolerances and increasing the reliability of the instrument. All materials and production processes are to ISO 9001:2008 quality standard.

- Widefield eyepieces 10x/20mm
- Quadruple reversed nosepiece
- E-Plan Achromatic objectives, 4x/0.10, 10x/0.25, 40x/0.65 and 100x/1.25
- Double layer stage 150 x 133mm with X-Y moving range 75 x 50mm by belt drive system
- Coaxial coarse and fine focusing
- X-LED<sup>3</sup> lighting system with adjustable intensity
- Sliding 1.25N.A Abbe type condenser with adjustable height and iris diaphragm
- For use on 100-240Vac, 50-60Hz external power adapter with 6Vdc output
- Available with binocular or trinocular, 360° rotating head inclined at 30°



MS/55050

Cat. No.	Code	Description
MS/55050	B-292	Binocular routine microscope, B-290 Series
MS/55052	B-293	Trinocular routine microscope, B-290 Series
MS/55054	M-160	Eyepiece WF10x/20mm
MS/55056	M-161	Eyepiece WF15x
MS/55058	M-162	Eyepiece WF20x
MS/55060	M-163	Micrometer eyepiece WF10x/20mm
MS/55062	M-005	Micrometric slide, 76 x 26mm, range 1mm, divisions 0.01mm
MS/55064	M-164	Objective 4x/0.10 E-PLAN
MS/55066	M-165	Objective 10x/0.25 E-PLAN
MS/55068	M-166	Objective 20x/0.40 E-PLAN
MS/55070	M-167	Objective 40x/0.65 E-PLAN
MS/55072	M-168	Objective 60x/0.80E-PLAN
MS/55074	M-169	Objective 100x/1.25 E-PLAN (Oil)
MS/55076	M-174	Polarizing set (filters only)
MS/55078	M-175	Rotating table for polarizing set
MS/55080	M-069	Solar battery pack
MS/55082	M-173	Photo adapter for reflex camera with APS-C sensor
MS/55084	M-114	CCD camera adapter 0.37x