

EcoBlue

HIGHLIGHTS

- ✓ Economical microscopes for education
- ✓ Monocular, binocular and trinocular models
- ✓ Achromatic objectives
- ✓ Digital and polarization models available
- ✓ LED illumination and 20W halogen for polarization models
- ✓ Ergonomical carrying grip
- ✓ 5 years warranty



EC.2001

EC.1001

Specifications

Eyepiece

Secured DIN WF 10x/18 mm with pointer

Head

Monocular 45° inclined tube and binocular 30° inclined tubes

The digital versions are equipped with a 1.3 Mpixel 1/3 inch CMOS Color USB2 camera @ 1280x 1024 pixels

Nosepiece

Revolving quadruple forwarded nosepiece on ball-bearings

Polarization models equipped with swing-in analyzer

Objectives

All models are standard equipped with achromatic corrected 4x/0.13, 10x/0.25, S40x/0.65 objectives.

The 20x/0.40, S60x/0.85 and S100x/1.25 objectives are also available. All optical parts are anti-fungus treated and are anti-reflection coated

Stage

Plain 123 x 119 mm stage with 2 object clamps except for the EC.1x5x models which are equipped with an integrated mechanical X-Y stage. Polarization models with a 360° rotatable 129 mm round stage and 2 object clamps

Condenser

In height adjustable Abbe condenser

Focusing adjustment

Coaxial coarse and 200 µm fine adjustments, 2 µm precision. Friction adjustment

Illumination

1 W intensity adjustable LED illumination with internal power supply.

The models with an integrated mechanical stage are equipped with internal batteries.

Polarization models come standard with halogen illumination,

LED polarization versions are available on request

Software

ImageFocus 4 capture & analysis software is supplied with each digital microscope model.

The software is compatible with Windows XP, Vista, Windows 7 & 8, both 32 and 64 bits platforms

Models	Mono	Bino	Trino	Digital 1,3 Mpix	Objective S60x	Objective S100x	Mechanical X-Y stage	1W LED	Batteries	Polarization
EC.1001	•							•		
EC.1101	•					•		•		
EC.1601	•				•			•		
EC.1051	•						• (1)	•	• (2)	
EC.1151	•					•	• (1)	•	• (2)	
EC.1152		•				•	• (1)	•	• (2)	
EC.1652		•			•		• (1)	•	• (2)	
EC.1153	•		•			•	• (1)	•	• (2)	
EC.1653	•		•		•		• (1)	•	• (2)	
EC.1005	•			•				•		
EC.1105	•			•		•		•		
EC.1605	•			•	•			•		
EC.2001-POL	•									• (3)
EC.2101-POL	•					•				• (3)
EC.2601-POL	•				•					• (3)

(1) Integrated mechanical stage with vertical adjustments

(2) With an external 80-240V battery charger/mains adapter

(3) Models for polarization are standard supplied with a 20W halogen illumination

Accessories & spare parts

EC.6010 Wide field WF 10x/18 mm eyepiece

EC.6015 Wide field WF 15x/12 mm eyepiece

EC.6110 Wide field WF 10x/18 mm eyepiece with micrometer

EC.6099 Pair of eyeshades



Accessories & spare parts

- EC.7004 Achromatic 4x/0.10 objective
- EC.7010 Achromatic 10x/0.25 objective
- EC.7020 Achromatic 20x/0.40 objective
- EC.7040 Achromatic S40x/0.65 objective
- EC.7060 Achromatic S60x/0.85 objective
- EC.7000 Achromatic S100x/1.25 objective
- EC.9500 Attachable mechanical stage. Not for models with integrated stage EC.1x5x
- EC.9710 Frosted filter

- PB.5155 Microscope glass slides 76 x 26 mm, edges grinded, 50 pcs
- PB.5168 Cover glasses 22 x 22 mm, thickness, 0.13-0.17, 100 pcs
- PB.5245 Lens cleaning paper, 100 sheets
- PB.5255 Immersion oil $n = 1.482$, 25 m



Model with
integrated X-Y
mechanical stage
EC.1051



Digital model
EC.1005

Datasheet v.521211