

# **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



# **Specifications**

### **Eyepiece**

Secured DIN WF 10x/18 mm with pointer

Head EC.2001 FC.1001

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/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	Objective	Objective	Mechanical	1W	Batteries	Polarization
				1,3 Mpix	_	S100x	X-Y stage	LED		
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

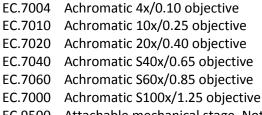
EC.6099 Pair of eyeshades



**Blue***Line* 



### **Accessories & spare parts**



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