

**BioBlue** 

**HIGHLIGHTS**

- WF10x/20 mm eyepiece(s)
- 1 W NeoLED Köhler illumination for improved image quality
- Reversed nosepiece for 4 semi plan objectives
- Integrated X-Y mechanical stage
- Coaxial coarse and fine adjustments with rack stop
- Height adjustable Abbe condenser with iris diaphragm and filter holder
- With rechargeable batteries and integrated power supply
- Ergonomic designed stand
- Warranty 10 years



● BB.4260-E

**TECHNICAL SPECIFICATIONS**

**EYEPIECE(S)**

WF10x/20 mm Wide field

**HEAD**

- Heads are 360° rotatable and secured
- Binocular and trinocular models have 30° inclined tubes, interpupillary distance is adjustable between 48 and 75 mm and equipped with a  $\pm 5$  diopter adjustment on the left tube
- The trinocular head has a fixed light path beamsplitter (50:50) and generates an erect image



Binocular head



Trinocular head

**NOSEPIECE**

Reversed quadruple nosepiece on ball bearings

**OBJECTIVES**

- Supplied with semi plan 4x/0.10, 10x/0.25, S40x/0.65 and S100x/1.25 oil immersion objectives
- The S40x and S100x oil immersion objectives are spring loaded (to prevent damage to sample and objectives)

*All optics are anti-fungus treated and anti-reflection coated for maximum light throughput*

**FOCUSSING**

- Coaxial coarse and fine adjustments with 200 graduations  
Precision 2  $\mu$ m per graduation, 0.4 mm per rotation

**MONOCULAR MODEL BB.4200**

320 (h) x 176 (w) x 227 mm (d) | 3.0 kg

**BINOCULAR MODEL BB.4260**

360 (h) x 176 (w) x 227 mm (d) | 4.0 kg

**POLARIZATION MODEL BB.4200-P-HLED**

360 (h) x 176 (w) x 227 mm (d) | 4.4 kg

- Total travel approximately 23 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- The coarse adjustment is equipped with friction control

**STAGE**

130 x 130 mm with mechanical 70 x 28 mm X-Y translation stage

**CONDENSER**

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder

**ILLUMINATION**



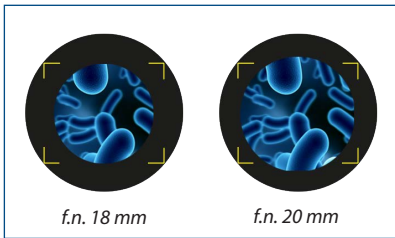
- Intensity adjustable 1 W NeoLED™ Köhler illumination system. This produces a very uniform illumination of the sample and eliminates all interferences from dust on lenses. It also ensures the highest possible contrast and the maximum achievable resolving power of the optical system (Halogen versions on request)
- Supplied with rechargeable batteries and integrated power supply for cordless operation

**PACKAGING**

- Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil
- All packed in a polystyrene box

MODELS	Binocular	Trinocular	4/10/540/5100x oil SMP objective	S60x SMP objective*	Mechanical X-Y stage	Köhler illumination	NeoLED™
BB.4260-E	•		•	○	•	•	•
BB.4253-E		•	•	○	•	•	•

\*Optional



● BB.4253-E with CME camera

## ACCESSORIES AND SPARE PARTS

- AE.5572-E** EWF10x/20 mm eyepiece
- AE.5581-E** EWF10x/20 mm micrometer eyepiece with pointer
- AE.5580-E** EWF10x/20 mm micrometer eyepiece with crosshair
- AE.5579-E** EWF10x/20 mm micrometer eyepiece with 10/100 micrometer and cross hair
- AE.5573-E** WF15x/16 mm eyepiece
- AE.5582-E** WF20x/12 mm eyepiece

**AE.1110** Stage micrometer 1 mm/ 100 parts

- AE.5591** Semi plan objective 4x/0.10. Working distance 37.5 mm
- AE.5593** Semi plan objective 10x/0.25. Working distance 6.54 mm
- AE.5594** Semi plan objective 20x/0.40. Working distance 1.2 mm
- AE.5597** Semi plan objective S40x/0.65. Working distance 0.68 mm
- AE.5599** Semi plan objective S60x/0.75. Working distance 0.2 mm
- AE.5601** Semi plan objective S100x/1.25 oil immersion. Working distance 0.22 mm

- AE.5202** Blue filter, diameter 32 mm
- AE.5203** Yellow filter, diameter 32 mm
- AE.5204** Neutral grey filter, diameter 32 mm
- AE.5205** Green filter, diameter 32 mm
- AE.5207** Blue filter plexiglass, diameter 32 mm

**AE.5130** Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter

**AE.5025** T2 adapter for Nikon D digital SLR cameras

**AE.5040** T2 adapter for Canon EOS digital SLR cameras

*Other T2 adapters on request*

**BB.4300** Aluminium case for BioBlue microscopes

**AE.9918** Nylon microscope bag (25 x 39 x 19 cm)

**BB.9602** Analyzer in slider

**AE.9991** 1 W NeoLED™ replacement unit

**AE.5227** Glass fuses 1 A 250 V, 10 pieces

**PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces

**PB.5165** Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces

**PB.5168** Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces

**PB.5245** Lens cleaning paper, 100 sheets per pack

**PB.5255** Immersion oil, n = 1.482 (25 ml)

**PB.5274** Isopropyl alcohol 99% (200 ml)

**PB.5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs



● AE.9918