

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
- Provided with APL (Anti-bacterial Protection Layer)
- With rechargeable AA batteries and integrated power supply
- Ergonomic designed stand
- Warranty 10 years

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 ± 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 - 45 MM PARFOCAL

- 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 μ m per graduation, 0.4 mm per rotation



• BB.4260-E

BB.4200 (MONOCULAR)

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

BB.4260 (BINOCULAR)

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

BB.4200-P-HLED (POLARIZATION)

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 AA batteries and integrated power supply for cordless operation



ANTI-THEFT SLOT

At the back of the microscope a Kensington Security Slot is placed, which can be used to secure the instrument from theft

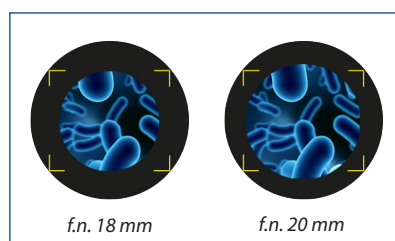
PACKAGING

- Supplied with power cord, three rechargeable AA batteries, dust cover, a spare fuse, white filter, user manual and 5 ml immersion oil for models with S100x objective
- All packed in a polystyrene box

MODELS

	Binocular	Trinocular	4/10/540/S100x oil SMP objective	S60x SMP objective*	Mechanical X-Y stage	Köhler illumination	NeoLED™
BB.4260-E	•		•	◦	•	•	•
BB.4253-E		•	•	◦	•	•	•

*Optional



● BB.4253-E



APL (ANTI-BACTERIAL PROTECTION LAYER)

APL is a revolutionary paint treatment applied to the most critical parts of our products. A microscope with APL will restrict the growth of micro-organisms, including bacteria and mold

ACCESSORIES AND SPARE PARTS

AE.5572-E	EWF10x/20 mm eyepiece	PB.5155	Microscope slides 76 x 26 mm, ground edges, 50 pieces
AE.5581-E	EWF10x/20 mm micrometer eyepiece with pointer	PB.5165	Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces
AE.5580-E	EWF10x/20 mm micrometer eyepiece with crosshair	PB.5168	Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces
AE.5573-E	WF15x/16 mm eyepiece	PB.5245	Lens cleaning paper, 100 sheets per pack
AE.5582-E	WF20x/12 mm eyepiece	PB.5255	Immersion oil, n = 1.515 (25 ml)
AE.1110	Stage micrometer 1 mm/ 100 parts	PB.5274	Isopropyl alcohol 99% (200 ml)
AE.5591	Semi plan objective 4x/0.10. Working distance 37.5 mm	PB.5275	Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs
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		
<i>Other T2 adapters on request</i>			
BB.4300	Aluminium case for BioBlue microscopes		
AE.9918	Nylon microscope bag (25 x 39 x 19 cm)		
AE.9912	Euromex dust cover medium (35 x 39 cm)		
BB.9602	Analyzer in slider		
AE.9991	1 W NeoLED™ replacement unit		
AE.5227	Glass fuses 1 A 250 V, 10 pieces		



AE.9918 ●

AE.9912 ●

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