

MicroBlue



HIGHLIGHTS

- Entry-level microscopes
- Monocular, binocular and trinocular models
- Digital and LCD models
- Revolving reversed nosepiece
- Integrated X-Y mechanical stage
- LED and NeoLED™ illumination
- Cordless operation
- Ergonomic carrying grip
- Five years warranty



● MB.1152

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

- Wide field WF 10x/18 mm eyepiece(s)
- Secured and with pointer for monocular versions

HEAD

- Monocular models with 45° inclined tubes
- Binocular models have 45° inclined tubes, adjustable interpupillary distance between 48 and 75 mm and a ± 5 diopter adjustment on left tube
- 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
- Two digital heads are available:
An integrated 1.3 MP 1/2.5" CMOS sensor USB 2.0 camera, 1272 x 952 pixels
An integrated 5.0 MP 1/2" CMOS sensor USB 2.0 camera, 2560 x 1920 pixels
- LCD version with 5.6" LCD screen
- All heads are 360° rotatable and secured except for the LCD head, which is secured fixed

MONOCULAR MODEL MB.1001

298 (h) x 151 (w) x 202 mm (d) | 2.0 kg

MONOCULAR, MECHANICAL STAGE MB.1151

298 (h) x 151 (w) x 202 mm (d) | 2.2 kg

BINOCULAR MODEL, MECHANICAL STAGE MB.1152

298 (h) x 151 (w) x 202 mm (d) | 2.8 kg

NOSEPIECE

Revolving nosepiece for 3 or 4 reversed objectives on ball bearings



Monocular head



Binocular head



Trinocular head



Digital monocular head



Digital LCD head



OBJECTIVES

- Achromatic 4x/0.10, 10x/0.25 and S40x/0.65. Models with S60X or S100x oil immersion are also available
 - The S40x, S60x and S100x oil immersion objectives are spring loaded
- All optics are anti-fungus treated and anti-reflection coated for maximum light throughput*

FOCUSING

- Coaxial coarse and fine adjustments, 200 graduations, 15 µm per graduation, 3 mm per rotation, total travel approximately 15 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- The coarse adjustments are equipped with friction control

STAGE

All models are supplied with 115 x 100 mm stage with integrated 55 x 20 mm X-Y mechanical stage, except for the basic model MB.1001 which is supplied with a 105 x 105 mm stage and two non-removable clamps

CONDENSER

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder, except for the MB.1001 model and MB.1001-LCD models which are equipped with a single N.A. 0.65 condenser with built-in iris diaphragm

ILLUMINATION

- All monocular versions are supplied with an adjustable 1W LED illumination
- The binocular and trinocular versions are supplied with a replaceable 1 W NeoLED™ illumination system for increased light output
- All models have internal rechargeable batteries with an external 100-240 V battery charger/mains adapter

PACKAGE CONTENT

- Supplied with mains adapter-charger, white filter, dust cover, user manual and for models with an S100x objective, 5 ml immersion oil
- Software, USB-2 cable and a micrometer 1mm/100 slide are included (for camera models)
- External powersupply for LCD screen
- All packed in a polystyrene box

DIGITAL MODELS

1.3 MP CAMERA

- This model is equipped with a 1.3 MP CMOS USB-2 camera
- Maximum resolution 1272 x 952, 24 bits color depth, up to 30 frames per second
- Delivered with ImageFocus 4 software
- Warranty for the camera is two years

4 SOFTWARE

- The ImageFocus 4 software allows to save images in .jpg, .tif, .bmp or .dicom formats as well as .avi format videos
- Measurements can be done on still and live image
- Compatible with Windows 7, 8 and 10, both 32 and 64 bits configurations
- Mac OS-Light version is also available for capturing images
- Free updates can be downloaded on our website www.euromex.com

5.0 MP CAMERA

- This model is equipped with a 5.0 MP CMOS USB-2 camera
- Maximum resolution 2560 x 1920, 24 bits color depth, up to 30 frames per second
- Delivered with ImageFocus Plus software
- Warranty for the camera is two years

4+ SOFTWARE

- The ImageFocus Plus software allows to save images in .jpg, .tif, .bmp or .dicom formats as well as .avi format videos
- Images can be annotated and measurements can be performed in live or captured images
- Compatible with Windows 7, 8 and 10, both 32 and 64 bits configurations
- Mac OS version is also available
- Free updates can be downloaded on our website www.euromex.com

LCD SCREEN

All the MicroBlue LCD microscopes are equipped with 5.6" LCD screen

- Screen resolution 640 x 480
- Save images and videos directly to SD card
- Image resolution 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480 in .JPEG format
- Video resolution 640 x 480 in .AVI format
- Warranty for the screen is 2 years

MODELS	Mono	Bino	Trino	Maximum objectives	4/10/540x objectives	560x objective	S100x objective	Mechanical X-Y stage	LED	NeoLED	Batteries
MB.1001	•			3	•				•		•
MB.1051	•			4	•			•	•		•
MB.1651	•			4	•	•		•	•		•
MB.1151	•			4	•		•	•	•		•
MB.1052		•		4	•			•		•	•
MB.1652		•		4	•	•		•		•	•
MB.1152		•		4	•		•	•		•	•
MB.1053			•	4	•			•		•	•
MB.1653			•	4	•	•		•		•	•
MB.1153			•	4	•		•	•		•	•

MODELS	Digital LCD	Digital mono	1.3 MP	5.0 MP	Maximum objectives	4/10/540x objectives	560x objective	S100x objective	Mechanical X-Y stage	LED	Batteries
MB.1001-LCD*	•				3	•				•	•
MB.1051-LCD*	•				4	•			•	•	•
MB.1005-1		•	•		3	•				•	•
MB.1005-5		•		•	3	•				•	•
MB.1055-1		•	•		4	•			•	•	•
MB.1055-5		•		•	4	•			•	•	•
MB.1655-1		•	•		4	•	•		•	•	•
MB.1655-5		•		•	4	•	•		•	•	•
MB.1155-1		•	•		4	•		•	•	•	•
MB.1155-5		•		•	4	•		•	•	•	•

* models with LCD-screen



ACCESSORIES AND SPARE PARTS

EYEPIECES

AE.5571	Wide field eyepiece WF 5x/18 mm
MB.6010	Wide field WF 10x/18 mm eyepiece
MB.6010-P	Wide field 10x/18 mm eyepiece with pointer
MB.6010-M	Wide field 10x/18 mm eyepiece with micrometer scale
MB.6015	Wide field WF 15x/11 mm eyepiece
MB.6020	Wide field WF 20x/9 mm eyepiece
MB.6099	Pair of eyecups

OBJECTIVES

MB.7004	Achromatic 4x/0.10 objective, 35 mm parfocal
MB.7010	Achromatic 10x/0.25 objective, 35 mm parfocal
MB.7020	Achromatic 20x/0.40 objective, 35 mm parfocal
MB.7040	Achromatic S40x/0.65 objective, 35 mm parfocal
MB.7060	Achromatic S60x/0.85 objective, 35 mm parfocal
MB.7000	Achromatic S100x/1.25 objective, 35 mm parfocal

CAMERA ACCESSORIES

AE.5130	Universal SLR adapter with built-in 2x lens for standard 23.2 mm tube. Needs T2 adapter
AE.5025	T2 ring for Nikon D SLR digital camera
AE.5040	T2 ring for Canon EOS SLR digital camera

MISCELLANEOUS

MB.9710	Frosted filter
MB.9975	External mains adapter-charger 100-240 Vac/5 Vdc (50/60 Hz)
MB.9981	1 W LED replacement unit
MB.9991	1 W NeoLED™ replacement unit
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
MB.9900	Aluminum transport case
AE.9918	Nylon microscope bag (25 x 39 x 19 cm)

DISPOSABLES

PB.5155	Microscope slides 76 x 26 mm, ground edges, 50 pieces
PB.5157-W	Microscope slides 76 x 26 mm, ground edges. White frosted side, 50 pieces per pack
PB.5157-B	Microscope slides 76 x 26 mm, ground edges. Blue frosted side, 50 pieces per pack
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
PB.5276	Microscope maintenance and servicing kit, 16 pcs: cleaning brush, 6 pcs screwdriver set, air blower, 3 pcs Allen key, 1.5, 2, 2.5 mm, lens cleaning fluid 20 ml, cleaning cloth 140 x 140 mm, 100 pcs lens tissue sheets, tube of maintenance grease, 10 ml bottle of oil, packed in a nice toolbox