

**Motic®**

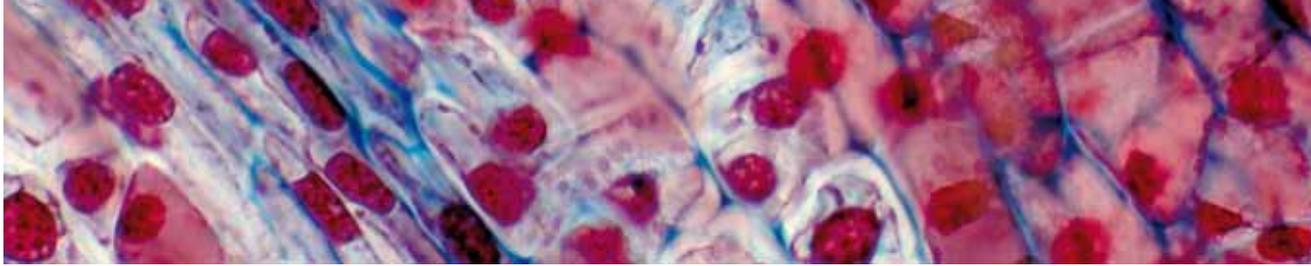
MORE THAN MICROSCOPY



# BA50 & BA80

Educational Environments





# BA50 & BA80 Series

**T**he Motic BA50 and BA80 Series of microscopes is a complete range of biological microscopes designed for teaching environments. All microscopes have a complete metal construction, precision mechanics, high quality optics which are made out of 100% glass and bright white LED illumination. The nosepiece in reverse position permits easier changing and positioning of the specimen slides.

The modern and ergonomic design of this Series will make the microscopes fit into any classroom, cupboard or practise. It is even easy to transport from one room to the other thanks to the large gripping area at the back of the stand.

*The ideal microscopes to introduce your students into the world of microscopy!*





# **MOTIC**QUALITY

**T**he Brand name **Motic** assures that you are purchasing a quality instrument that has been thoroughly inspected and adjusted by our trained staff of technicians, and backed by the company's dedication to your complete satisfaction. Our 5 year Limited Warranty is supported by a complete parts inventory that assures availability beyond the 5 years warranty period. **Motic** is aware that the selection of a microscope, be it a simple instrument or a sophisticated model, requires careful consideration of several factors beyond the price.

So, after determining that **Motic** offers some of the most competitive pricing in the market, keep in mind our commitment to quality and service. It is an investment that will start paying off immediately with the selection of the **Motic** brand.

**MOTIC** warrants all microscopes to be free from defects in material and workmanship under normal use and service for 5 years from date of purchase. For electrical and electronic parts 2 years from date of purchase. It does not cover damage resulting from abuse or misuse, repairs or alterations performed by others than authorized repair technicians of MOTIC or damage occurring in transit. Any modification, even only parts of the instrument or Serial No, will automatically cancel this warranty. Warranty does not cover bulbs and fuses.



# BA50 Cordless

The BA50 has been designed to facilitate teaching younger students. It offers bright white LED illumination which can be operated cordless.

The great image clarity, rugged metal construction and precision mechanics, guarantees a long term use.



## BA50 cordless

- Monocular head, 45° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm
- Reversed triple revolving nosepiece
- Achromatic objectives 4X, 10X, 40X S
- Coarse and fine focusing system with tension adjustment
- 0.65 N.A. condenser with disc diaphragm
- LED illumination 20mA, 3.5V, 70mW with intensity control
- Main supply 230V, charger included (CE) with batteries
- Dust cover

# BA80

Full sized monocular microscopes that have all the characteristics that are most commonly used in schools. The well known high quality EA Achromatic objectives ensure crisp and clear images.

The BA80A-MS corded comes with a built-in low position mechanical stage and a focusable 1.25N.A. Abbe condenser, which allows you to up-grade your microscope with a 100x objective when needed.



## BA80 corded | BA80A-MS corded

- Monocular head, 45° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm
- Reversed quadruple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S
- Coarse and fine focusing system with tension adjustment
- Built in low position coaxial mechanical stage (BA80A-MS)
- 0.65 N.A. condenser built in on stage
- Focusable 1.25 N.A. Abbe condenser (BA80A-MS)
- Iris diaphragm
- LED illumination 20mA, 3.5V, 70mW with intensity control
- Main supply 220V-240V (CE)
- Dust cover

# BA81

These microscopes incorporate a coaxial coarse and fine focusing system with tension adjustment to assure excellent precision. Together with the rack & pinion focusable 1.25N.A. Abbe condenser, you can be sure to get brilliant and perfectly focussed images.

The BA81B-MS w/100X is the binocular version and includes the 100X objective, meaning that you can reach up to 1000X magnification.



## BA81A-MS corded | BA81B-MS w/100X corded

- Monocular (BA81A-MS corded) / Binocular (BA81B-MS w/100X corded) head, 45° inclined, 360° rotating
- Widefield eyepiece WF10X/18mm
- Reversed quadruple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S
- Achromatic objectives EA 4X, 10X, 40X S and 100x S Oil (BA81B-MS w/100X corded)
- Coaxial coarse and fine focusing system with tension adjustment
- Built in low position coaxial mechanical stage
- Focusable 1.25 N.A. Abbe condenser
- Iris diaphragm
- LED illumination 20mA, 3.5V, 70mW with intensity control
- Main supply 220V-240V, (CE)
- Dust cover

# Accessories

## BA50 | BA80 | BA81

### Eyepieces (per piece)

Huygens eyepiece H5X/14.5mm  
Widefield eyepiece WF10X/18mm  
Widefield eyepiece WF15X/12mm  
Huygens eyepiece H15X/8mm  
Widefield eyepiece WF20X/11mm

### Micrometer eyepieces (per piece)

Micrometer eyepiece WF10X/18mm, 100 divisions in 10mm  
Reticle 19mm (for 18mm eyepiece), 100 divisions in 10mm  
Reticle holder

## BA50

### Achromatic objectives (185mm)

Achromatic objective 4X/0.10  
Achromatic objective 10X/0.25  
Achromatic objective 40X/0.65/S

### Spare parts

Dust cover (size B)  
Aluminium box

### Spare bulbs

LED 20mA, 3.5V, 70mW

## BA80 | BA81

### Achromatic objectives - EA

Achromatic objective 4X/0.10  
Achromatic objective 10X/0.25  
Achromatic objective 20X/0.40  
Achromatic objective 40X/0.65/S  
Achromatic objective 60X/0.85/S  
Achromatic objective 100X/1.25/S - Oil

### Polarising Set

Polarizing set NT for BA80MS and BA81MS  
Rotating table for BA80MS and BA81MS

### Spare parts

Dust cover (size B)  
Aluminium box  
Immersion oil 5ml

### Spare bulbs

LED 20mA, 3.5V, 70mW



# Motic®

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**Design Change :**

The manufacturer reserves the right to make changes in instrument design in accordance with scientific and mechanical progress, without notice and without obligation.



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