Motic®

MORE THAN MICROSCOPY

BA50&BA80 SERIES

UPRIGHT MICROSCOPES
FOR EDUCATIONAL ENVIRONMENTS



EDU

BA50&BA80 SERIES

The 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!

MOTICAM SERIES

The combination of a Motic microscope with a member of the Moticam Series enables to display and to share excellent live images for presentations and discussions. Discover the possibilities and benefits of connecting a Moticam camera onto your microscope. Multiply your teaching options, improve teaching efficiency!

Standard Live Resolution | Moticam 1 and 2, an ideal and affordable introduction to Digital Microscopy, great for schools or small laboratories.
Wi-Fi streaming | Moticam X, a unique solution to turn your old microscope into a Wi-Fi station





BA50X WI-FI MICROSCOPE



MOTIC QUALITY

The 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.



BA50

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.

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.

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 BA81A-MS corded comes with a built-in low position mechanical stage and a focusable 1.25N.A. Abbe condenser, which allows you to upgrade your microscope with a 100x objective when needed. 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.

SPECIFICATIONS

BA50&BA80 SERIES



	BA50 CORDLESS	BA81A MS CORDED	BA81B w/100X MS CORDED
Optical System			
Finite optical system	●	●	●
Observation Tube			
Monocular	●	●	
Binocular Siedentopf type (Interpupillary distance: 55-75mm / Diopter adjustment: On left tube, +/- 5 diopter)			●
Inclination			
30° inclined, 360° rotating			●
45° inclined, 360° rotating	●	●	
Eyepieces			
WF10X/18mm with pointer	●	●	●
Nosepiece			
Reversed triple revolving nosepiece with click stops	●		
Reversed quadruple revolving nosepiece with click stops		●	●
Objective classification			
Achromatic objectives, DIN	●		
EA Achromatic, DIN		●	●
Objectives			
4X/0.10, 10X/0.25, 40X/0.65/S	●	●	
4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S-Oil			●
Stage			
Gliding stage with "one-touch" sample holder	●		
Built-in low position coaxial mechanical stage with sample holder		●	●
Stage size			
110mm x 105mm	●		
120mm x 120mm		●	●
Condenser			
Built in 0.65 N.A. with disc diaphragm	●		
Spiral mounted 1.25 N.A. Abbe condenser with iris diaphragm		●	●
Focus mechanism			
Separate coarse and fine focusing system	●		
Coaxial coarse and fine focusing system		●	●
Fine focus precision			
2μm minimum increment	●	●	●
Z-axis movement			
8mm	●		
14mm		●	●
Filter			
Built-in frosted glass	●	●	●
Illumination			
LED 20mA, 3.5V, 70mW with intensity control	●	●	●



EYEPIECES (PER PIECE)

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

MICROMETER EYEPIECES (PER PIECE)

Micrometer eyepiece WF10X/18mm, 100 divisions in 10mm and crosshair

RETICLES

Reticle with 100 divisions in 10mm and crosshair (Ø19mm)
Reticle holder for 18mm eyepiece

ACHROMATIC OBJECTIVES (FOR BA50)

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

ACHROMATIC OBJECTIVES - EA (FOR BA80)

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



POLARIZING SET (FOR BA80)

Polarizing set NT
Rotating table

SPARE PARTS

Dust cover (size B)
Aluminium box
Immersion oil 5ml (only for BA80 models)
Cleaning kit
Lens tissue paper (Pack 500)
Motic slides 76x25mm (50 units)
Motic coverslips 22x22mm (100 units)

SPARE BULBS

LED 20mA, 3.5V, 70mW



LED illumination (BA50/80)



EA Achromatic objectives (BA80)



Coaxial mechanical stage (BA80)



Focusable 1.25 N.A. Abbe condenser (BA80)

Motic®

Canada | China | Germany | Spain | USA



www.moticeurope.com

EN | ES | FR | DE | IT | PT

Motic Instruments (Canada)
130 - 4611 Viking Way. Richmond, BC V6V 2K9 Canada
Tel: 1-877-977 4717 | Fax: 1-604-303 9043

Motic Deutschland (Germany)
Christian-Kremp-Strasse 11, D-35578 Wetzlar, Germany
Tel: 49-6441-210 010 Fax: 49-6441-210 0122

Motic Hong Kong (Hong Kong)
Unit 2002, L20, Tower Two, Enterprise Square Five
38, Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong
Tel: 852-2837 0888 | Fax: 852-2882 2792

Motic Europe (Spain)
C. Les Corts 12, Pol. Ind. Les Corts. 08349 Cabrera de Mar, Barcelona, Spain
Tel: 34 93 756 62 86 | Fax: 34 93 756 62 87

*CCIS® is a trademark of Motic Incorporation Ltd.
Motic Incorporation Limited Copyright © 2002-2017. All Rights Reserved.

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.

Designed in Barcelona (Spain)
Updated: June 2017

Official Distributor: