

**Motic**<sup>®</sup>

MORE THAN MICROSCOPY



# ED B1 ELITE & B3 SERIES

ADVANCED BIOLOGICAL MICROSCOPES



# EDUCATION LINE

Motic's range of Educational Compound microscopes are designed to cover the needs of educators as well as hobbyists.

The brand Motic assures that you are purchasing a quality instrument that has been thoroughly inspected and adjusted by our trained technicians. Our 10-Year Limited Warranty is supported by a complete parts inventory that assures availability even beyond the warranty period. We are aware that the selection of a microscope of any type requires careful consideration of several factors and not only the price. A Motic microscope is therefore a solid investment, that will pay off with years of hassle-free and quality work.

## DIGITAL MICROSCOPY SOLUTIONS

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



## MOTICAMSERIES



## B1SERIES

Motic's B1 series has long been a stalwart of reliable microscopy providing a solid platform for imaging. For the 2016-2017 model year, we upgrade the B1 with new optics and mechanics normally only found in more expensive models, we have ensured this line's competitiveness and performance well into the next decade.

The upgrades include changes to the entry level objectives which now start at Motic's new Semi-Plan configuration. The B1 series also comes equipped with a new rack-less stage, which allows the microscope to be used in different current and future tenders. In order to provide enough light to Brightfield, Phase Contrast as well as Darkfield applications, the illumination has been changed to Motic's powerful true 3W LED keeping the system cool as well as properly illuminated with steady color-temperature.



## B3SERIES

## PHASE CONTRAST TURRET SOLUTION

As a natural progression of the popular B1 series, the more advanced B3 series offers features for the more demanding user. A standard Siedentopf head configuration allows for interpupillary distance adjustment without the need for refocusing. The superior Koehler Illumination system offers ample illumination, making this series ideal for Lab work. Choose between ASC (Achromatic Super Contrast), Plan Achromatic or even the latest addition to this range, the NEW Phase Contrast version with turret condenser, all of which have an unbeatable price-quality ratio.



SPECIFICATIONS	B1 ELITE SERIES		
	B1211-E-SP	B1220-E-SP	B1223-E-SP
<b>Optical System</b>			
Finite Optical System, 160mm	●	●	●
<b>Observation Tube</b>			
Monocular	●		
Binocular, sliding type		●	
Trinocular, sliding type (light split 100:0 / 0:100 / 30:70)			●
Binocular head, Siedentopf type			
Trinocular head, Siedentopf type (light split 100:0 / 20:80)			
<b>Interpupillary distance</b>			
55-75mm		●	●
<b>Diopter adjustment</b>			
On both tubes , +/- 5 diopter		●	●
On the left eyetube, +/- 5 diopter			
<b>Inclination</b>			
45° inclined, 360° rotating	●	●	
30° inclined, 360° rotating			●
<b>Eyepiece</b>			
WF10X/18mm, lockable	●		
WF10X/18mm		●	●
WF10X/20mm			
<b>Nosepiece</b>			
Quadruple revolving nosepiece with click stops	●	●	●
Reversed quintuple revolving nosepiece with click stops			
<b>Objectives (DIN)</b>			
Semi-Planachromatic SP 4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S	●	●	●
ASC Achromatic Super Contrast 4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S			
Plan achromatic PL 4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S			
Plan achromatic PL 4X/0.10, Plan Phase PL Ph 10X/0.25, 20X/0.40, 40X/0.65/S, 100X/1.25/S			
<b>Stage</b>			
Built-in low position coaxial rackless mechanical stage with sample holder	●	●	●
Built-in low position coaxial mechanical stage with sample holder			
<b>Mechanical stage X&amp;Y range</b>			
76x40mm	●	●	●
78x50mm			
<b>Upper limit stop</b>			
Preset and adjustable	●	●	●
<b>Condenser</b>			
Focusable 1.25 N.A. Abbe Condenser, iris diaphragm and filter holder	●	●	●
Focusable and centerable 1.25 N.A. Abbe Condenser, iris diaphragm and filter holder			
Phase contrast 5 position 1.25 N.A. Abbe condenser (BF & PH 10X, 20X, 40X, 100X)			
<b>Focus mechanism</b>			
Coaxial coarse and fine focusing system with tension adjustment	●	●	●
<b>Fine focus precision</b>			
2 µm minimum increment	●	●	●
<b>Illumination</b>			
3W LED illumination with intensity control	●	●	●
12V/20W Halogen Koehler illumination with intensity control			
<b>Accessories included</b>			
Dust cover and immersion oil	●	●	●
Blue, yellow and green filters, dust cover and immersion oil			

**B3 SERIES**

**SPECIFICATIONS**

B3220-ASC | B3223-ASC | B3220-PL | B3223-PL | B3220-PH | B3223-PH |

						<b>Optical System</b>
●	●	●	●	●	●	Finite Optical System, 160mm
						<b>Observation Tube</b>
						Monocular
						Binocular, sliding type
						Trinocular, sliding type (light split 100:0 / 0:100 / 30:70)
●		●		●		Binocular head, Siedentopf type
	●		●		●	Trinocular head, Siedentopf type (light split 100:0 / 20:80)
						<b>Interpupillary distance</b>
●	●	●	●	●	●	55-75mm
						<b>Diopter adjustment</b>
						On both tubes , +/- 5 diopter
●	●	●	●	●	●	On the left eyetube, +/- 5 diopter
						<b>Inclination</b>
						45° inclined, 360° rotating
●	●	●	●	●	●	30° inclined, 360° rotating
						<b>Eyepiece</b>
						WF10X/18mm, lockable
						WF10X/18mm
●	●	●	●	●	●	WF10X/20mm
						<b>Nosepiece</b>
						Quadruple revolving nosepiece with click stops
●	●	●	●	●	●	Reversed quintuple revolving nosepiece with click stops
						<b>Objectives (DIN)</b>
						Plan achromatic PL 4X/0.10 and achromatic A 10X/0.25, 40X/0.65/S, 100X/1.25/S
●	●					ASC Achromatic Super Contrast 4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S
		●	●			Plan achromatic PL 4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S
				●	●	Plan achromatic PL 4X/0.10, Plan Phase PL Ph 10X/0.25, 20X/0.40, 40X/0.65/S, 100X/1.25/S
						<b>Stage</b>
						Built-in low position coaxial rackless mechanical stage with sample holder
●	●	●	●	●	●	Built-in low position coaxial mechanical stage with sample holder
						<b>Mechanical stage X&amp;Y range</b>
						76x40mm
●	●	●	●	●	●	78x50mm
						<b>Upper limit stop</b>
●	●	●	●	●	●	Preset and adjustable
						<b>Condenser</b>
						Focusable 1.25 N.A. Abbe Condenser, iris diaphragm and filter holder
●	●	●	●			Focusable and centerable 1.25 N.A. Abbe Condenser, iris diaphragm and filter holder
				●	●	Phase contrast 5 position 1.25 N.A. Abbe condenser (BF & PH 10X, 20X, 40X, 100X)
						<b>Focus mechanism</b>
●	●	●	●	●	●	Coaxial coarse and fine focusing system with tension adjustment
						<b>Fine focus precision</b>
●	●	●	●	●	●	2 μm minimum increment
						<b>Illumination</b>
						3W LED illumination with intensity control
●	●	●	●	●	●	12V/20W Halogen Koehler illumination with intensity control
						<b>Accessories included</b>
						Dust cover and immersion oil
●	●	●	●	●	●	Blue, yellow and green filters, dust cover and immersion oil

# 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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Official Distributor: