

Motic®

MORE THAN MICROSCOPY



ED

EDUCATION LINE

18 | 28 | PM SERIES
BIOLOGICAL & PETROGRAPHIC 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 1SP, 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

18SERIES

Motic's 18 Series LED microscopes offer bright white illumination with no heat. By using a rechargeable battery pack, this microscope can also be used cordless. Whether your science lab is outdoors, lacks electrical outlets or you simply prefer a tangle-free work environment, our 18 Series LED microscopes offer a wide range of possibilities.





28SERIES

Motic's 28 Series LED microscopes offer in addition a coaxial focusing system with a minimum increment of $2\mu\text{m}$ ensures a perfectly focused sample. Within the 28 Series LED microscopes you can choose between a monocular, binocular and even a trinocular version.



PM SERIES

This polarizing microscope utilizes superb mechanics, a rugged platform and it is offered at a cost far from similar models in this category. Motic's petrographic microscope can be used as a standard brightfield or as a polarizing microscope for investigations in geology or mineralogy.



SPECIFICATIONS	18SERIES				28SERIES			
	1801LED	1802LED	1820LED	2801LED	2802LED	2820LED	2823LED	
Optical System								
Finite optical system, 160mm	●	●	●	●	●	●	●	
Observation Tube								
Monocular	●	●		●	●			
Binocular - Sliding type			●			●		
Trinocular - Sliding type (50:50)							●	
Inclination								
45° inclined, 360° rotating	●	●	●	●	●	●	●	
Interpupillary distance								
55-75mm			●			●	●	
Diopter adjustment								
On both tubes , +/- 5 diopter			●			●	●	
Eyepieces								
WF10X/18mm			●			●	●	
WF10X/18mm with pointer, lockable	●	●		●	●			
Widefield WF10X/18mm, with plain cross hair reticule								
Widefield WF10X/18mm, one with plain cross hair reticule								
Analyzer								
Swing in / out analyzer								
Rotating 0°~90°, 1/4λ and λ plates and Bertrand lens								
Nosepiece								
Reversed quadruple revolving nosepiece with click stops	●	●	●	●	●	●	●	
EA Achromatic Objectives (DIN)								
4X/0.10, 10X/0.25, 40X/0.65/S	●	●	●	●	●	●	●	
Stage								
Plain stage with sample clips	●			●				
Built-in low position coaxial mechanical stage with sample holder		●	●		●	●	●	
Circular rotating 360° with spring stage clips								
Stage size								
120 x 125mm	●			●				
133 x 136mm		●	●		●	●	●	
Ø 135mm								
Condenser								
Built-in 0.65 N.A. condenser with iris diaphragm	●							
Rack&pinion focusable 1.25 N.A. Abbe Condenser with iris diaphragm				●	●	●	●	
Focusable N.A. 1.25 Abbe Condenser with iris diaphragm		●	●					
Focus mechanism								
Separate coarse and fine focusing system with tension adjustment	●	●	●					
Coaxial coarse and fine focusing system with tension adjustment				●	●	●	●	
Fine focus precision								
2µm minimum increment	●	●	●	●	●	●	●	
Polarizer								
Swing in/out polarizer, rotating 360°								
Swing in/out polarizer								
Illumination								
Battery/Cordless LED 20mA, 3.5V, 70mW with intensity control	●	●	●	●	●	●	●	
Built-in illumination, halogen 12V/20W with intensity control								

PM SERIES				SPECIFICATIONS
PM1805	PM1820	PM2805	PM2823	
				Optical System
●	●	●	●	Finite optical system, 160mm
				Observation Tube
●		●		Monocular
	●			Binocular - Sliding type
			●	Trinocular - Sliding type (50:50)
				Inclination
●	●	●	●	45° inclined, 360° rotating
				Interpupillary distance
	●		●	55-75mm
				Diopter adjustment
	●		●	On both tubes , +/- 5 diopter
				Eyepieces
				WF10X/18mm
				WF10X/18mm with pointer, lockable
●		●		Widefield WF10X/18mm, with plain cross hair reticule
	●		●	Widefield WF10X/18mm, one with plain cross hair reticule
				Analyzer
●	●			Swing in / out analyzer
		●	●	Rotating 0°~90°, 1/4λ and λ plates and Bertrand lens
				Nosepiece
●	●	●	●	Reversed quadruple revolving nosepiece with click stops
				EA Achromatic Objectives (DIN)
●	●	●	●	4X/0.10, 10X/0.25, 40X/0.65/S
				Stage
				Plain stage with sample clips
				Built-in low position coaxial mechanical stage with sample holder
●	●	●	●	Circular rotating 360° with spring stage clips
				Stage size
				120 x 125mm
				133 x 136mm
●	●	●	●	Ø 135mm
				Condenser
				Built-in 0.65 N.A. condenser with iris diaphragm
				Rack&pinion focusable 1.25 N.A. Abbe Condenser with iris diaphragm
●	●	●	●	Focusable N.A. 1.25 Abbe Condenser with iris diaphragm
				Focus mechanism
●	●			Separate coarse and fine focusing system with tension adjustment
		●	●	Coaxial coarse and fine focusing system with tension adjustment
				Fine focus precision
●	●	●	●	2μm minimum increment
				Polarizer
●	●			Swing in/out polarizer, rotating 360°
		●	●	Swing in/out polarizer
				Illumination
				Battery/Cordless LED 20mA, 3.5V, 70mW with intensity control
●	●	●	●	Built-in illumination, halogen 12V/20W with intensity control





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 GmbH (Germany)

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

Motic Incorporation Ltd. (Hong Kong)

Rm 2907-8, Windsor House, 311 Gloucester Road, Causeway Bay, Hong Kong
Tel: 852-2837 0888 | Fax: 852-2882 2792

Motic Spain, S.L. (Spain)

Polígono Industrial Les Corts, Camí del Mig, 112 08349 Cabrera de Mar, Barcelona, Spain
Tel: 34-93-756 6286 | Fax: 34-93-756 6287

*CCIS® is a trademark of Motic Incorporation Ltd.

Motic Incorporation Limited Copyright © 2002-2015. 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)
May 2015



Official Distributor: