

Motic[®]

MORE THAN MICROSCOPY



ED

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

Standard Live Resolution | Moticom 1 and 2, an ideal and affordable introduction to Digital Microscopy, great for schools or small laboratories.

Wi-Fi streaming | Moticom 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.



Main differences between models

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	●	●		●	●		
Widfield WF10X/18mm, with plain cross hair reticule							
Widfield 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		●	●		●	●	●
∅ 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



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 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

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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: