



PM series petrographic microscopes

Motic PM petrographic microscopes are specially designed for education use. The models are carefully considered with features required for their intended applications.



● Model 2820-LED

Binocular head, inclined 45° and 360° rotating
Widefield eyepieces WF10X / 18mm
Quadruple nosepiece
Achromatic objective EA 4X, 10X, 40X S
Coaxial coarse and fine focusing adjustment
Built in low position coaxial mechanical stage
Rack & pinion focusable 1.25 N.A. Abbe condenser
Iris diaphragm with filter holder
LED illumination 20mA, 3.5V, 70mW with intensity control
Main supply 220V-240V, VDE plug, CE

OPTIONAL ACCESSORIES

Eyepieces (per piece)

Huygens eyepieces H5X / 14.5mm
Widefield eyepieces WF10X / 18mm
Widefield eyepieces WF15X / 12mm

Micrometer eyepieces (per piece)

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

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

Spare parts

Blue filter
Dust cover (size B)
Aluminium box

Spare bulbs

LED 20mA, 2.5V, 70mW



Micrometer eyepieces



Achromatic objectives - EA

● Model PM-1805

Monocular head, inclined 45° and 360° rotating
Widefield eyepieces WF10X / 18mm (plain cross hair)
Quadruple nosepiece
Achromatic objectives EA 4X, 10X, 40X S
Separate fine and coarse focusing adjustment
Working table rotating from 0° - 360° with graduation to 1°
Focusable 1.25 N.A. Abbe condenser
Iris diaphragm with filter holder
Halogen illumination 12V / 20W with intensity control
Main supply 220V-240V, VDE plug, CE
With simple add on type analyser and polarizer

● Model PM-2805

Monocular head, inclined 45° and 360° rotating
Widefield eyepieces WF10X / 18mm (plain cross hair)
Quadruple nosepiece
Achromatic objectives EA 4X, 10X, 40X S
Slide in analyser provides choice of 1/4 λ plate or λ plate and bertrand lens
Coaxial coarse and fine focusing adjustment
Working table rotating from 0° - 360° with graduation to 1°
Focusable 1.25 N.A. Abbe condenser
Iris diaphragm with filter holder
Halogen illumination 12V / 20W with intensity control
Main supply 220V-240V, VDE plug, CE



OPTIONAL ACCESSORIES

Eyepieces (per piece)

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

Micrometer eyepieces (per piece)

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

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

Spare parts

Blue filter
Dust cover (size B)
Aluminium box

Spare bulbs

Halogen bulb 12V / 20W



Eyepieces (per piece)