



## **Polarizing Microscope MMPM-A102**

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## **Polarizing Microscope MMPM-A102**

Polarizing Microscope MMPM-A102 with trinocular head features 360° rotatable polarizer for efficient polarization. Incorporates strain-free plan achromatic objectives for superior image clarity. Equipped with bertrand lens for seamless switching between orthoscopic and conoscopic modes. Integrated with optical compensator to enhance contrast and analysis. Our microscope designed with an infinite optical system delivers high-resolution, distortion-free images.

### **Features:**

Plan eyepiece with scale of crosshair

Brightness adjustable illumination

Coaxial coarse and fine adjustment

Strain-free swing condenser

Attachable mechanical stage

Center adjustable nosepiece

### **Applications:**

Polarizing Microscope MMPM-A102 is an advanced microscope to observe and analyze birefringent materials, such as crystals, minerals, polymers, and biological samples. It is ideal for applications in geology, material science, chemistry, and biology.

## Specifications :

<b>Optical System</b>	Infinite optical system
<b>Viewing Head</b>	Hinged-type trinocular head inclined at 30°
<b>Interpupillary Distance</b>	48 to 75mm
<b>Eyepiece</b>	EW10X/22
<b>Strain-Free Plan Achromatic Objective</b>	4X/0.10/?/- WD 17.3mm 10X/0.25/?/0.17 WD 10.0mm 40X/0.65/?/0.17 WD 0.54mm 100X/1.25/?/0.17 WD 0.13mm
<b>Nosepiece</b>	Backward quintuple nosepiece
<b>Polarizer</b>	360°rotatable, 0°position adjustable
<b>Analyzer</b>	360° dial rotation Minimum vernier scale reading?0.1°
<b>Conoscopic Observation Attachment</b>	Bertrand lens position adjustable
<b>Optical Compensator</b>	First-order red plate Quarter-wave plate Quartz wedge
<b>Polarizing Rotatable Stage</b>	Diameter ?170mm Center adjustment 360° scale Minimum division 1° Minimum reading 6' vernier scale 45° Click stop knob
<b>Stage Moving Range</b>	30mm×40mm
<b>Condenser Numerical Aperture</b>	NA0.9/0.25
<b>Focusing</b>	Range 32mm Fine division 0.001mm Coarse stroke 37.7mm per rotation Fine stroke 0.1mm per rotation
<b>Illumination</b>	24V/100W Halogen lamp
<b>Filter</b>	Blue filter ?45mm

