



## **Polarizing Microscope MMPM-A100**

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Polarizing Microscope MMPM-A100 offers a fixed polarizer and 360° rotatable analyzer. Equipped with center adjustable polarizing rotatable stage for smooth sample rotation and alignment. Features a halogen lamp with adjustable brightness for optimal sample illumination. Built with extra-wide field eyepiece, providing broader and clearer view. Our microscope ensures excellent magnification flexibility for a variety of sample types.

### **Features:**

Strain-Free Plan Achromatic Objective

Easy switching between orthoscopic and conoscopic modes.

Attachable mechanical stage

Centre adjustable nosepiece

Ergonomic design

### **Applications:**

Polarizing Microscope MMPM-A100 is employed in applications including birefringent materials study, crystallography, mineral identification, material defect analysis, and optical property evaluation. This advanced polarizing microscope is a valuable tool for laboratory industrial or research environments.

## Specifications :

<b>Optical System</b>	Infinite optical system
<b>Interpupillary Distance</b>	48 to 75mm
<b>Eyepiece</b>	EW10X/22 Plan eyepiece with scale of crosshair Plan eyepiece with cross Plan eyepiece with gridding
<b>Objective</b>	5X/0.12/?/- WD 15.5mm 10X/0.25/?/- WD 10.0mm 20X/0.4/?/0 WD 5.8mm 50X/0.75/?/0 WD 0.32mm 100X/0.8/?/0 WD 2mm
<b>Nosepiece</b>	Backward quintuple nosepiece
<b>Analyzer</b>	360° dial rotation Minimum vernier scale reading?0.1°
<b>Polarizer</b>	Reflected: Fixed
<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 360° scale Minimum divison 1° Minimum reading 6' vernier scale 45°Click stop knob
<b>Attachable Stage Moving Range</b>	30mm×40mm
<b>Focusing</b>	Range 32mm Fine division 0.001mm Coarse stroke 37.7mm per rotation Fine stroke 0.1mm per rotation
<b>Illumination</b>	Reflected light: 24V/100W Halogen lamp
<b>Viewing Head</b>	Hinged-type trinocular head inclined at 30°

