



## **Polarizing Microscope MMPM-A101**

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## **Polarizing Microscope MMPM-A101**

Polarizing Microscope MMPM-A101 with hinged trinocular head offers 360° rotatable analyser and polarizer. Features adjustable bertrand lens to switch between orthoscopic and conoscopic observations. Include center adjustable polarizing rotatable stage for smooth sample rotation and alignment. Built with infinite optical system to enhance resolution for detailed analysis. Our microscope equipped with strain-free swing condenser provides high-quality illumination for birefringent samples.

### **Features:**

Center adjustable quintuple nosepiece

Attachable mechanical stage

Adjustable brightness

Strain-free plan achromatic objectives

### **Applications:**

Polarizing Microscope MMPM-A101 is employed in the fields of geology, material science, pharmaceuticals, and forensic science to analyze birefringent materials such as minerals, crystals, polymers, and biological specimens.

## 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>	Plan eyepiece EW10X/22 Plan eyepiece with scale of crosshair Plan eyepiece with cross Plan eyepiece with gridding
<b>Strain-Free Plan Achromatic 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 40X/0.65/?/0.17WD 0.54mm 100X/1.25/?/0.17WD 0.13mm
<b>Nosepiece</b>	Backward quintuple nosepiece
<b>Analyzer</b>	360° dial rotation Minimum vernier scale reading?0.1°
<b>Polarizer</b>	Transmitted: 360° rotatable, 0° position adjustable Reflected: Fixed
<b>Conoscopic Observation Attachment</b>	Bertrand lens
<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>Condenser</b>	NA0.9/0.25
<b>Focusing Range</b>	32mm
<b>Fine Division</b>	0.001mm
<b>Fine Stroke</b>	0.1mm per rotation
<b>Coarse Stroke</b>	37.7mm per rotation
<b>Illumination</b>	Reflected light: 24V/100W Halogen lamp Transmitted light: 24V/100W Halogen lamp
<b>Filter</b>	Blue filter ?45mm



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