

## 12100 Polarizing Microscope Series

Ideal for polarized light observation and for use in geology, crystallography, and material sciences involving birefringent materials.



# UNITRON® 12100 Polarizing Microscope Series

- Equipped with centerable quadruple nosepiece, infinity strain-free plan achromat objectives and widefield eyepieces
- Coaxial coarse/fine focus system, tension adjustable, minimum division of fine focusing: 2µm
- Polarizer, 360° rotatable
- Analyzer, 360° rotatable, easily push in/out from optical path
- Revolving, centerable round stage, 360° graduated 1° increments



## SPECIFICATIONS

<b>Eyepieces</b>	WF10X/20mm focusable eyepieces are standard; a 21mm crossline reticle and guide pin are also included
<b>Objectives</b>	Strain-free infinity plan 4x, 10x, 20x and 40xR objectives
<b>Viewing Head</b>	Siedentopf style binocular or trinocular viewing head (50/50 split); the interpupillary distance is adjustable between 53mm - 75mm; each viewing head has an integrated reticle angle compensation system; when the IP distance or number is changed, the crossline reticle remains perpendicular in the FOV
<b>Nosepiece</b>	Centerable, quadruple, ball bearing nosepiece
<b>Stage</b>	360 degree rotatable, centerable, fully indexed stage with vernier scale and stage clips
<b>Condenser</b>	Achromat condenser, N.A. 0.9/0.3 with swing out top lens and iris in dovetail mount
<b>Illumination</b>	5 watt LED illumination system provides enhanced image quality and brightness for the observation of specimens
<b>Polarizer</b>	360 degree rotatable
<b>Bertrand Lens</b>	Focusable and centerable Bertrand Lens
<b>Analyzer</b>	Rotatable analyzer in sliding mount, 180° graduated
<b>Accessories</b>	$\lambda$ tint plate, $\frac{1}{4} \lambda$ retardation plate, and quartz wedge are included
<b>Optional</b>	Attachable mechanical stage, 60xR objective, grid reticle

*Design, features and specifications are subject to change without notice.*

# UNITRON®

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**ISO 9001**  
Certification

Design and production adheres to ISO9001 international quality standard.

**ISO 14001**  
Certification

Design and production meets the requirements of international standard ISO 14001 for environmental management.

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