

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

Eyepieces	WF10X/20mm focusable eyepieces are standard; a 21mm crossline reticle and guide pin are also included
Objectives	Strain-free infinity plan 4x, 10x, 20x and 40xR objectives
Viewing Head	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
Nosepiece	Centerable, quadruple, ball bearing nosepiece
Stage	360 degree rotatable, centerable, fully indexed stage with vernier scale and stage clips
Condenser	Achromat condenser, N.A. 0.9/0.3 with swing out top lens and iris in dovetail mount
Illumination	5 watt LED illumination system provides enhanced image quality and brightness for the observation of specimens
Polarizer	360 degree rotatable
Bertrand Lens	Focusable and centerable Bertrand Lens
Analyzer	Rotatable analyzer in sliding mount, 180° graduated
Accessories	λ tint plate, $\frac{1}{4} \lambda$ retardation plate, and quartz wedge are included
Optional	Attachable mechanical stage, 60xR objective, grid reticle

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

UNITRON®

73 Mall Drive • Commack, NY 11725
631-543-2000 (P) • 631-589-6975 (F)
email: info@unitronusa.com • www.unitronusa.com

CE
ANTI-MOLD

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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