



# POLARIZING MICROSCOPE

LPM-A1 Series

# Polarizing Microscope

## Polarizing Microscope LPM-A10

Polarizing microscope LPM-A10 offers high definition image quality in polarized light, using contrast-enhancing technique. This microscope comes with quintuple click stop revolving mechanism with multiple ball bearing. This polarizing microscope has sientopf type 30° inclined binocular head. It can be equipped with filters e.g. blue, ground glass for more even and diffused light.

### Features

- ⌚ Swing type N.A. 1.25 with iris diaphragm and filter
- ⌚ Use of contrast enhancing technique
- ⌚ Eyepiece WF10X/20mm, WF10X/20mm (reticle 0.1mm)
- ⌚ Quintuple click stop revolving mechanism nosepiece
- ⌚ Swing type N.A. 1.25 with iris diaphragm and filter
- ⌚ Non-stress infinite plan objective:4x, 10x, 20x, 40x(s)
- ⌚ Polarizing attached mechanical stage

### Applications

Polarizing microscope has wide range of applications in the field of science, forensic analysis, geology, medicine, chemistry, biology & metallurgy.

# Polarizing Microscope

## Specifications

Model No.	LPM-A10
Viewing Head	Siedentopf type binocular head, 30° inclined, eyepiece rotation 360° Interpupillary adjustable distance 50mm- 75mm
Eyepiece	WF10X/20mm, WF10X/20mm (reticle 0.1mm)
Nosepiece	Quintuple click stop revolving mechanism with multiple ball bearing
Condenser	Swing type N.A. 1.25 with iris diaphragm and filter
Objective	Non-stress infinite plan objective:4x, 10x, 20x, 40x(s)
Stage	Rotable 360°, center adjustable, division 1°, vernier division 6'
Focusing	Coaxial coarse & fine adjustment, focusing range 30mm, focusing interval 0.002mm
Collector	High brightness light collector
Illumination	6V/20W Halogen lamp, brightness adjustable

### STANDARD ACCESSORY

6V/20W spare halogen lamp  
BGX1-20(0.5A) fuse  
Blue ground glass filter  
Dust cover  
Instruction manual in English  
Immersion oil

### OPTIONAL ACCESSORY

Trinocular head with C-mount 0.5X, 1.0X  
Adapter for digital camera  
Polarizing attached mechanical stage  
Objective: 60x(s)  
Eyepiece: WF16X, WF20X, P16X  
Microscopic camera eyepiece

# Polarizing Microscope

## Polarizing Microscope LPM-A11

Polarizing microscope LPM-A11 offers high definition contrast enhancing image quality in polarized light. It has polarizing 30° inclined sidentopf type trinocular head with adjustable interpupillary distance. It has built in bertrand lens on rotatable discs with centering controls. This microscope has polarizing filters to obtain polarizing light used for the investigation of the optical properties of various specimens.

### Features

- ⑤ Quintuple nosepiece with adjustable centre
- ⑤ Polarizing sidentopf type trinocular head
- ⑤ Inbuilt bertrand lens with adjustable center
- ⑤ Non-stress infinite plan and LWD plan objective
- ⑤ Polarizing filters to make use of polarized light
- ⑤ Swing out condenser

### Applications

Polarizing microscope is used in the field of geology for the study of rock and minerals. It has application in botany, forensic science, medicine, chemistry & metallurgy.

# Polarizing Microscope

## Specifications

Model No.	LPM-A11
Viewing Head	Polarizing sidentopf trinocular head, 30° inclined, eyepiece rotation 360°
	Interpupillary adjustable distance:48-76mm
	Light distribution 100:0 (100% for eyepiece)
Eyepiece	WF10X/20mm, WF10X/20mm (reticle 0.1mm)
Polarizing unit	Analyzer rotatable 360°, module type, can be locked Bertrand lens, built in center adjustable
Slip	$\lambda$ , First class red or $1/4 \lambda$
Quartz wedge	(I-IV Class)
Nosepiece	Quintuple, center adjustable
Objective	Non-stress infinite plan objective: 4x, 10x, 20x, 40x(s)
	Non-stress infinite LWD plan objective: 50x(s)
Revolving round stage	Rotable 360°, center adjustable division 10, Vernier division 6'
Swing out condenser	N.A. 0.9/0.13 polarizing unit (with scale, rotatable 360°, can be locked)
Coaxial coarse fine focusing unit	Coarse stroke: 25mm
	Fine stroke per rotation: 0.2mm, Fine division 2 $\mu$ m
Transmitting Illumination	6V/20W, Halogen lamp (input voltage 100V-240V)
Reflecting Polarizing unit	Field diaphragm, aperture diaphragm, polarizer, 12V/50W halogen lamp (input voltage 100V-240V)
Optional accessory	C-mount 0.57X focus adjustable, 1.0X Polarizing attached mechanical stage Filter (Amber, green, neutral) Digital camera Transmitting Illumination: 6V/30W, Halogen lamp