



POLARIZING MICROSCOPE

LPM-A1 Series

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 and multiple ball bearing system. This polarizing microscope has siedentopf 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
- Non-stress infinite plan objectives
- Polarizing attached mechanical stage
- User-friendly operations

Applications

Used to study polarized light effect on a specimen in the field of science, forensic analysis, geology, medicine, chemistry, biology & metallurgy.

Specifications

Model No	LPM-A10
Viewing Head	Siedentopf type binocular head, 30° inclined, eyepiece rotation 360° Interpupillary adjustable distance 50 to 75 mm
Eyepiece	WF10X/20 mm, WF10X/20 mm (reticle 0.1 mm)
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 0.002 mm
Collector	High brightness light collector
Illumination	6V/20W Halogen lamp, brightness adjustable
Dimension	570×290×400 mm
Net weight	12 kg
Gross weight	14 kg

Standard Accessories

Accessories No.	Name
1	6 V/ 20 W spare halogen lamp
2	BGX1-20 (0.5A) Fuse
3	Blue Ground Glass Filter
4	Dust cover
5	Immersion oil

Optional Accessories

Accessories No.	Name
1	Trinocular head port C- mount 0.5
2	Trinocular head port C- mount 0.5 X
3	Adapter for digital camera
4	Objective 60X (S)
5	Eyepiece WF16X
6	Eyepiece WF20X
7	Eyepiece P16X

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. Polarizing filters are used to obtain polarizing light for the investigation of the optical properties of various specimens.

Features

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

Applications

Used in the field of geology for the study of rock and minerals, also finds application in botany, forensic science, medicine, chemistry & metallurgy.

Specifications

Model No.	LPM-A11
Viewing Head	Polarizing sientopf trinocular head, 30°inclined, eyepiece rotation 360°
	Interpupillary adjustable distance: 48-76 mm
	Light distribution 100:0 (100% for eyepiece)
Eyepiece	WF10X/20 mm, WF10X/20 mm (reticle 0.1 mm)
Nosepiece	Quintuple, center adjustable
Condenser	Swing out type N.A. 0.9/0.13 polarizing unit, (with scale, rotatable 3600, can be locked)
Objective	Non-stress infinite plan objective: 4x, 10x, 20x, 40x(s), Non-stress infinite LWD plan objective: 50x(s)
Stage	Revolving round stage with 360° rotation, center adjustable division 1°, Vernier division 6
Focusing	Coarse stroke: 25 mm, Fine stroke per rotation: 0.2 mm, Fine division 2 μm
Illumination	6V/20 W, Halogen lamp (input voltage 100 to 240 V)
Polarizing unit	Analyzer rotatable 360°, module type, can be locked, Bertrand lens, built in center adjustable
Slip	λ , First class red or $1/4 \lambda$
Quartz wedge	(I-IV Class)
Reflecting Polarizing unit	Field diaphragm, aperture diaphragm, polarizer, 12V/50 W halogen lamp (input voltage 100 to 240 V)
Dimension	750 × 360 × 450 mm
Net weight	15 kg
Gross weight	18 kg

Optional Accessories

Accessories No.	Name
1	C- mount 0.57 X focus adjustable
2	C- mount 1.0 X focus adjustable
3	Polarizing attached mechanical stage
4	Filter (Amber, green, neutral)
5	Halogen lamp 6V/30W transmitted illumination