

MP41 Professional Polarizing microscope



Polarization microscope MP41 is a professional microscope equipped with polarizing device, reflective lighting and transmitted lighting. It is favorable for studying and identifying the materials which has double refraction characteristics, by using the feature of polarizing. Users can use it to do observation of mono-polarization, orthogonal polarization and conoscopic observation. It is widely used in geology, chemistry and pharmaceuticals, as well as observation of liquid polymer materials, biopolymers and crystalline phase of the liquid crystal material. This microscope is an ideal laboratory instrument for institutions and universities to conduct research and teaching.

Features:

- 100% light pass for photography capable
- Graduated 0.10mm/Div eyepiece, field of view 22mm
- Strain-free plan achromatic objective
- Rotatable 360° polarizer and analyzer
- Both epi illumination and transmitted illumination with polarizer and analyzer
- With λ , $\lambda/4$ and quartz wedge compensator
- Pull type Bertrand lens and center adjustable
- With blue filter and frosted glass



Transmitted light



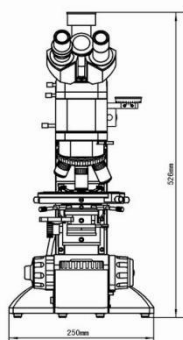
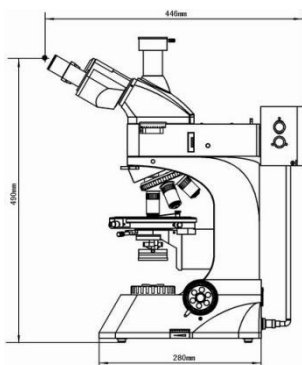
Epi illumination



Polarizing



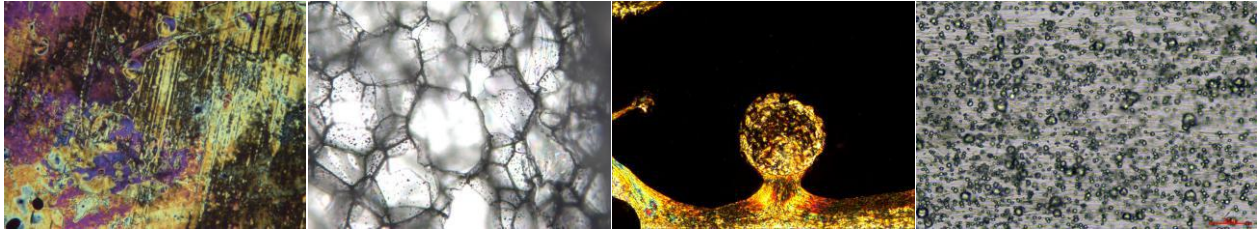
stage



Epi polarizing attachment



Compensator



Rock

GEPS Material

16K Gold

Nano Material

Model	MP41
Observation tube	Trinocular, inclined 30°, 100% light pass for photography capable
Eyepiece	Wide field WF10X(Φ22mm)
	Graduated WF10X(Φ22mm) 0.10mm/Div
Objective	Strain-free plan achromatic objective (no cover glass)
	PL L5X/0.12 (Work distance):26.1 mm
	PL L10X/0.25 (Work distance):20.2 mm
	PL L40X/0.60(Spring) (Work distance):3.98 mm
	PL L60X/0.70(Spring) (Work distance):3.18 mm
Reflective illuminating system	6V30W halogen, brightness adjustable.
	Polarizer can be rotated 360°.
	Analyzer can be rotatable 360° with scale and minimum vernier
	Integrated field diaphragm and aperture diaphragm
Nosepiece	Quadruple (center adjustable)
Intermediate attachments	Pull type Bertrand lens and center adjustable
Compensator	λ , $\lambda/4$ and quartz wedge compensator
Focus system	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, Minimum graduation in fine movement: 2 μ m
Transmitted illuminating system	6V30W halogen, brightness adjustable, lamp center adjustable
	Abbey condenser, liftable, NA 1.25
	Blue filter
	Frosted glass
	Polarizer (360° rotatable with 0°, 90°, 180°, 270° division)
Camera adapter	1X C-mount adapter