

### 3. BS-5092 Polarizing Microscope



BS-5092

#### Introduction

BS-5092 polarizing microscope is specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production. It can be used to analyze and identify various minerals and specimens, it can also be used to inspect chemical fiber, semiconductor products and medicines. Users can do single-polarized observation, orthogonal polarization observation, conoscope observation and photography with the microscope. This microscope is a set of powerful and good quality polarizing microscope.

#### Feature

1. Supply high quality and contrast image with special strain free objectives.
2. Can be used for single polarization, othogonal polarization and conoscopic observation.
3. Transmitted illumination, 24V/100W long life halogen lamp.
4. Stage with 45° located, attachable mechanical stage with large moving range, no interference when change objectives.
5. Gypsum  $\lambda$  plate, mica  $\lambda/4$  plate, quartz wedge plate are equipped.

#### Application

BS-5092 polarizing microscope can be used for geology, petroleum, chemicals, mining, metallurgy, pharmacy, polymer, LED and other field. It can be used in university colleges, industrial laboratories and other institutions for teaching, research and production.

#### Specification

Item	Specification	BS-5092
Optical System	Infinite Optical System	•
Viewing Head	Seidentopf trinocular head, Inclined at 30°, Interpulilary 48-75mm	•
Eyepiece	Plan eyepiece EW10×/22mm	•

	Plan eyepiece with scale of crosshair, crosshair, gridding	●
Strain-Free Plan Achromatic Objective	4x/0.10/∞/-, WD 17.3mm	●
	10x/0.25/∞/0.17, WD 10.0mm	●
	20x/0.40/∞/0.17, WD 5.10mm	○
	40x/0.65/∞/0.17, WD 0.54mm	●
	100x/1.25/∞/0.17, WD 0.13mm	●
Nosepiece	Backward quintuple nosepiece, Center adjustable	●
Analyzer	0°-360° rotatable analyzer with gradation, minimum gradation: 0.1° (Vernier scale)	●
Conoscopic Observation	Switch between orthoscopic and conoscopic observation, Bertrand lens position adjustable	●
Optical Compensator	λ plate (first class red), 1/ 4λ plate, quartz wedge plate	●
Polarizing Rotatable Stage	Diameter Φ170mm, center adjustable, 360° scale, minimum division 1°, minimum reading vernier scale 6', 45° click stop knob	●
Attachable Stage	Moving range 30mm×40mm	○
Condenser	Strain free swing out condenser NA0.9/0.25	●
Focusing	Coaxial coarse & fine adjustment, range 32mm, fine division 0.001mm, coarse stroke 37.7mm per rotation, Fine stroke 0.1mm per rotation	●
Polarizer	360° Rotatable, 0° position adjustable	●
Illumination	Transmitted light: 24V/100W Halogen lamp, brightness adjustable	●
Filter	Blue filter Φ45mm	●
	ND6 Neutral density filter Φ45mm	○
	ND25 Neutral density filter Φ45mm	○
Attachment	Video attachment	○
	0.01mm micrometer	○

Note : ● Standard Outfit, ○ Optional

### Sample Image

