

BS-5092RF/TRF Polarizing Microscope



BS-5092TRF

Introduction

BS-5092 series transmitted and (or) reflected polarizing microscopes are specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production. They can be used to analyze and identify various minerals and specimens, they 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. Gypsum λ plate, mica $\lambda/4$ plate, quartz wedge plate and moving stage, wrenches come with the microscope. This microscope is a set of powerful and good quality polarizing microscope.

Feature

1. Trinocular head, digital cameras can be easily used on this microscope for image and video taking.
2. Supply high quality and contrast image with special strain free objectives.
3. Can be used for single polarization, othogonal polarization and conosopic observation.
4. Transmitted and (or) reflected illumination, 24V/100W long life halogen lamp.
5. Stage with 45° located, attachable mechanical stage with large moving range, no interference when change objectives.
6. Gypsum λ plate, mica $\lambda/4$ plate, quartz wedge plate are equipped.
7. High quality professional polarizing microscope for geology, petroleum, chemicals, mining, metallurgy, pharmacy, polymer, LED and other field.

Application

BS-5092 series transmitted and (or) reflected polarizing microscopes can be used for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production.

Specification

Item	Specification	BS-5092RF	BS-5092TRF
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf trinocular head, Inclined at 30°, Interpuillary 48-75mm	●	●
Eyepiece	Plan eyepiece EW10×/22mm	●	●
	Plan eyepiece with scale of crosshair, Plan eyepiece with crosshair, Plan eyepiece with gridding	●	●
Strain-Free Plan Achromatic Objective	5×/0.12/∞/-, WD 15.5mm	●	●
	10×/0.25/∞/-, WD 10.0mm	●	●
	20×/0.4/∞/0, WD 5.8mm	●	●
Objective	50×/0.75/∞/0, WD 0.32mm	●	●
	100×/0.8/∞/0, WD 2mm	●	●
	40×/0.65/∞/0.17, WD 0.54mm		●
	100×/1.25/∞/0.17, WD 0.13mm		●
Nosepiece	Backward quintuple nosepiece, Center adjustable	●	●
Analyzer	0°-360° rotatable analyzer with gradation, minimum gradation: 0.1°	●	●
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	Transmitted: 360° Rotatable, 0° position adjustable		●
	Reflected: Fixed	●	●
Illumination	Reflected light: 24V/100W Halogen lamp, brightness adjustable	●	●
	Transmitted light: 24V/100W Halogen lamp, brightness adjustable		●
Filter	Blue filter Φ45mm		●
	ND6 Neutral density filter Φ45mm		○
	ND25 Neutral density filter Φ45mm		○
	Blue filter Φ25mm	○	○
	ND6 Neutral density filter Φ25mm	○	○
	ND25 Neutral density filter Φ25mm	○	○
Attachment	Video attachment	○	○
	0.01mm micrometer	○	○

Note: ●Standard parts ○Optional parts

Sample Image

