

STALWART

Polarizing Microscope STM-5092



STM-5092

Introduction

STM-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 oSTMervation, orthogonal polarization oSTMervation, conoscope oSTMervation and photography with the microscope. This microscope is a set of powerful and good quality polarizing microscope.214

Features

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

Specification

Item	Specification	STM-5092
Optical System	Infinite Optical System	Standard
Viewing Head	Seidentopf trinocular head, Inclined at 30°, Interpulillary 48-75mm	Standard
Eyepiece	Plan eyepiece EW10×/22mm	Standard
	Plan eyepiece with scale of crosshair, crosshair, gridding	Standard
Strain-Free Plan Achromatic Objective	4×/0.10/∞/-, WD 17.3mm	Standard
	10×/0.25/∞/0.17, WD 10.0mm	Standard
	20×/0.40/∞/0.17, WD 5.10mm	Optional
	40×/0.65/∞/0.17, WD 0.54mm	Standard
	100×/1.25/∞/0.17, WD 0.13mm	Standard
Nosepiece	Backward quintuple nosepiece, Center adjustable	Standard
Analyzer	0°-360° rotatable analyzer with gradation, minimum gradation: 0.1° (Vernier scale)	Standard
Conoscopic OSTMervation	Switch between orthoscopic and conosopic oSTMervation, Bertrand lens position adjustable	Standard
Optical Compensator	λ plate (first class red), 1/ 4 λ plate, quartz wedge plate	Standard
Polarizing Rotatable Stage	Diameter Φ 170mm, center adjustable, 360° scale, minimum division 1°, minimum reading vernier scale 6', 45° click stop knob	Standard
Attachable Stage	Moving range 30mm×40mm	Optional
Condenser	Strain free swing out condenser NA0.9/0.25	Standard
Focusing	Coaxial coarse & fine adjustment, range 32mm, fine division 0.001mm, coarse stroke 37.7mm per rotation, Fine stroke 0.1mm per rotation	Standard

Specification

Polarizer	360° Rotatable, 0° position adjustable	Standard
Illumination	Transmitted light: 24V/100W Halogen lamp, brightness adjustable	Standard
Filter	Blue filter Φ 45mm	Standard
	ND6 Neutral density filter Φ 45mm	Optional
	ND25 Neutral density filter Φ 45mm	Optional
Attachment	Video attachment	Optional
	0.01mm micrometer	Optional

Application

STM-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

Sample Pictures

