

STALWART

Polarizing Microscope STM-5070 Series



STM-5070B



STM-5070BTR

Introduction

STM-5070 polarizing microscope features a highly robust construction and first class optics designed to provide a long life and excellent quality images. STM-5070BTR and STM-5070TTR have transmitted and reflected illumination system, which give a much better effect and wider application. The microscopes can be used for Single polarization, othogonal polarization and conosopic oSTMervation. Digital camera can be used together with the microscope for image analysis. Accessories like Gypsum slide, Mica slide, Quartz wedge and Mechanical stage are available.

Features

- Excellent Infinite Optical System.
- Widely used in geology, Mineralogy, Fossil fuel exploration.
- Single polarization, othogonal polarization or conosopic oSTMervation is available.
- Transmitted and reflected illumination system of STM-5070BTR and STM-5070TTR offers a much better effect and wider application.
- Attachable stage is optional.



Specification

Item	Specification	STM-5070B	STM-5070BTR
Optical System	Infinite Optical System	Standard	Standard
Viewing Head	Seidentopf Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-75mm	Standard	Standard
	Seidentopf Trinocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-75mm, Light Distribution: 20:80	Optional	Optional
Eyepiece	WF10×/ 20mm	Standard	Standard
	WF10×/ 20mm with cross hair	Standard	Standard
	WF10×/ 20mm with scale of cross hair	Standard	Standard
Infinite strain free plan achromatic objective	Objective 4×, 10× for Reflected/Transmitted System	Standard	Standard
	Objective 20×, 40×, 60× for Transmitted System	Standard	Standard
	Objective 100× for Transmitted System	Optional	Optional
	Objective 20×, 40×, 60×, 100× for Reflected System		Optional
Nosepiece	Backward quadruple nosepiece, center adjustable	Standard	Standard
Epi-Illumination	12V/50W halogen lamp with iris aperture diaphragm and iris field diaphragm, brightness adjustable		Standard
Analyzer	Rotatable analyzer with gradation 0°-360°	Standard	Standard

Specification

Bertrand Lens	Bertrand lens, focus/center adjustable, sliding in/out of optical path	Standard	Standard
Optical Compensator	λ Slip (first class red), $1/4\lambda$ Slip, Quartz wedge	Standard	Standard
Revolving Round Stage	Diameter Φ 160mm, Graduated in 1° increments, Minimum resolution $6'$ when using vernier scale	Standard	Standard
Condenser	NA 0.9 Abbe Condenser with Iris Diaphragm	Standard	Standard
Focusing	Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm	Standard	Standard
Polarizer	360° Rotatable with Filter	Standard	Standard
Transmitted Illumination	12V/ 20W Halogen Lamp, Brightness Adjustable	Standard	Standard
Accessories	C- Mount 0.4×	Optional	Optional
	2× SLR Camera adapter for Nikon or Canon DSLR camera	Optional	Optional
	Mechanical stage, moving range 30×40mm	Optional	Optional
	Specimen presser	Optional	Optional
	Micrometer 0.01mm	Standard	Standard
	Filter	Standard	Standard

Application

STM-5070 series polarizing microscopes are ideal instrument in geology, petroleum, coal, mineral, chemicals fiber, semiconductor and pharmaceutical industry for structure identify and analysis. They can be widely used in material research, academic demonstration, scientific research, university teaching laboratories and other sectors.

Sample Pictures

