

BS-5070 Polarizing Microscope



BS-5070B



BS-5070BTR

Introduction

BS-5070 polarizing microscope features a highly robust construction and first class optics designed to provide a long life and excellent quality images. BS-5070BTR and BS-5070TTR have transmitted and reflected illumination system, which give a much better effect and wider application. The microscopes can be used for Single polarization, orthogonal polarization and conoscopic observation. 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.

Feature

1. Excellent Infinite Optical System.
2. Widely used in geology, Mineralogy, Fossil fuel exploration.
3. Single polarization, orthogonal polarization or conoscopic observation is available.
4. Transmitted and reflected illumination system of BS-5070BTR and BS-5070TTR offers a much better effect and wider application.
5. Attachable stage is optional.



Application

BS-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.

Specification

Item	Specification	BS-5070B	BS-5070BTR
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-75mm	●	●
	Seidentopf Trinocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-75mm, Light Distribution: 20:80	○	○
Eyepiece	WF10×/ 20mm	●	●
	WF10×/ 20mm with cross hair	●	●
	WF10×/ 20mm with scale of cross hair	●	●
Infinite strain free plan achromatic objective	Objective 4×, 10× for Reflected/Transmitted System	●	●
	Objective 20×, 40×, 60× for Transmitted System	●	●
	Objective 100× for Transmitted System	○	○
	Objective 20×, 40×, 60×, 100× for Reflected System		○
Nosepiece	Backward quadruple nosepiece, center adjustable	●	●
Epi-Illumination	12V/50W halogen lamp with iris aperture diaphragm and iris field diaphragm, brightness adjustable		●
Analyzer	Rotatable analyzer with gradation 0°-360°	●	●
Bertrand Lens	Bertrand lens, focus/center adjustable, sliding in/out of optical path	●	●
Optical Compensator	λ Slip (first class red), 1/ 4 λ Slip, Quartz wedge	●	●
Revolving Round Stage	Diameter Φ 160mm, Graduated in 1° increments, Minimum resolution 6' when using vernier scale	●	●
Condenser	NA 0.9 Abbe Condenser with Iris Diaphragm	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm	●	●
Polarizer	360° Rotatable with Filter	●	●
Transmitted Illumination	12V/ 20W Halogen Lamp, Brightness Adjustable	●	●
Accessories	C- Mount 0.4×	○	○
	2× SLR Camera adapter for Nikon or Canon DSLR camera	○	○
	Mechanical stage, moving range 30×40mm	○	○
	Specimen presser	○	○
	Micrometer 0.01mm	●	●
	Filter	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image

