

## BS-5000 Series Polarizing Microscope

### 1. BS-5040 Polarizing Microscope



BS-5040B



BS-5040T

#### Introduction

The BS-5040 series transmitted polarizing microscopes are equipped with a smooth, rotating, graduated stage and a set of polarizers that allow observation of all types of transmitted light polarized specimens such as thin sections of minerals, polymers, crystals and particulates. It is equipped with an infinite optical system, a comfortable viewing head and a set of Strain-free Infinite Plan Objectives which offers a magnification range of 40X – 400X. Digital camera can be used together with BS-5040T for image analysis.

#### Feature

1. Color Corrected Infinite Optical System.
2. Infinite Strain-free Plan Objectives, ensuring excellent resolution and clarity.
3. Center adjustable nosepiece and center adjustable rotating platform make the operation more accurate and reliable.

#### Application

The BS-5040 series polarizing microscopes are specifically designed for geology, minerals, metallurgy, university teaching laboratories and other sectors. They also can be used in chemical fiber industry, semiconductor industry and the pharmaceutical inspection industry.

#### Specification

Item	Specification	BS-5040B	BS-5040T
Optical System	Color Corrected Infinite Optical System	•	•
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm.	•	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm. Light Distribution: 20:80		•

Eyepiece	WF 10×/18mm	●	●	
	WF 10×/18mm (Reticule 0.1mm)	●	●	
Objective	Strain-free Infinite Plan Objective	4×	●	●
		10×	●	●
		20× (S)	●	●
		40× (S)	●	●
		60× (S)	○	○
Nosepiece	Center Adjustable Quadruple Nosepiece	●	●	
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um	●	●	
Analyzing Unit	0-90°, it can be moved out of the optical path for single polarizing observe	●	●	
Bertrand Lens	It can be moved out of the optical path	●	●	
Optical Compensator	$\lambda$ Slip, First Class Red	●	●	
	1/4 $\lambda$ Slip	●	●	
	( I -IV Class) Quartz Wedge	●	●	
Stage	360° Rotatable Round Stage, Center Adjustable, Division 1°, Vernier division 6', can be locked, stage diameter 146mm	●	●	
	Polarizing Attached Mechanical Stage	○	○	
Condenser	Abbe N.A. 1.25 Strain-free condenser	●	●	
Polarizing Unit	With Scale Rotatable 360°, Can Be Locked, It can be moved out of the optical path	●	●	
Illumination	6V/20W Halogen Lamp	●	●	
	6V/30W Halogen Lamp	○	○	
Filter	Blue(Built in)	●	●	
	Amber	○	○	
	Green	○	○	
	Neutral	○	○	
C-mount	1×		○	
	0.5× (Focus adjustable)		●	
Package	1pc/carton, 57×27.5×45cm, Gross Weight: 8.6 kgs	●	●	

Note: ● Standard outfits, ○ Optional.

## Sample Image

