

STALWART

Polarizing Microscope STM-5040 Series



STM-5040B



STM-5040T

Introduction

The STM-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 STM-5040T for image analysis.

Features

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

Specification

Item	Specification	STM-5040B	STM-5040T
Optical System	Color Corrected Infinite Optical System	Standard	Standard
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm.	Standard	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm. Light Distribution: 20:80		Standard
Eyepiece	WF 10×/18mm	Standard	Standard
	WF 10×/18mm (Reticule 0.1mm)	Standard	Standard
Objective	Strain-free Infinite Plan Objective	4x	Standard
		10×	Standard
		20× (S)	Standard
		40× (S)	Standard
		60× (S)	Optional
Nosepiece	Center Adjustable Quadruple Nosepiece	Standard	Standard
Focusing	Coaxial Coarse & Fine Focusing knob, Travel Range: 26mm, Scale:2um	Standard	Standard
Analyzing Unit	0-90°, it can be moved out of the optical path for single polarizing observation	Standard	Standard
Bertrand Lens	It can be moved out of the optical path	Standard	Standard
Optical Compensator	λ Slip, First Class Red	Standard	Standard
	1/4 λ Slip	Standard	Standard
	(I-IV Class) Quartz Wedge	Standard	Standard

Specification

Stage	360° Rotatable Round Stage, Center Adjustable, Division 1°, Vernier division 6', can be locked, stage diameter 146mm	Standard	Standard
	Polarizing Attached Mechanical Stage	Optional	Optional
Condenser	Abbe N.A. 1.25 Strain-free condenser	Standard	Standard
Polarizing Unit	With Scale Rotatable 360°, Can Be Locked, It can be moved out of the optical path	Standard	Standard
Illumination	6V/20W Halogen Lamp	Standard	Standard
	6V/30W Halogen Lamp	Optional	Optional
Filter	Blue(Built in)	Standard	Standard
	Amber	Optional	Optional
	Green	Optional	Optional
	Neutral	Optional	Optional
C-mount	1×		Optional
	0.5× (Focus adjustable)		Standard
Package	1pc/carton, 57×27.5×45cm, Gross Weight: 8.6 kgs	Standard	Standard

Application

The STM-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.

Sample Pictures

