

# STALWART

## Polarizing Microscope STM-5062 Series



STM-5062B



STM-5062BR



STM-5062BTR

## Introduction

STM-5062 series polarizing microscopes feature a highly robust construction and first class optics to provide a long life and excellent quality images. Accessories like Gypsum slide, Mica slide, Quartz wedge and Mechanical stage are available. The microscopes are specifically designed for geology, minerals and material areas. They also can be used in chemical fiber, semiconductor and pharmaceutical industries.

## Features

- Excellent Infinite Optical System.
- Widely used in geology, Mineralogy, Fossil fuel exploration.
- Single polarization, orthogonal polarization or conoscopic oSTMervation is available.



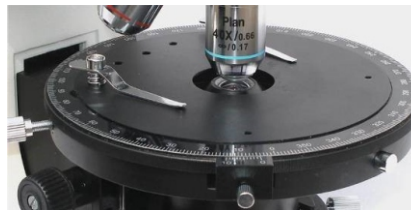
Professional dedicated polarizing binocular / trinocular head can keep the cross in the right-hand eyepiece always same when the eyepiece tubes turned.



Bertrand lens  
360° rotatable analyzer (with division, can be locked), can be moved out of the light path.



Centering Nosepiece



Centering Revolving Round Stage



Polarizer



Swing-out Condenser



Compensator



Polarizing Attached Mechanical Stage

# Specification

Item	Specification	STM-5062 B	STM-5062 BR	STM-5062 BTR
Optical System	Infinite Optical System	Standard	Standard	Standard
Viewing Head	Seidentopf Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-76mm.	Standard	Standard	Standard
	Seidentopf Trinocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-76mm, Light distribution (both) 100: 0 (100% for eyepiece), 80:20 (80% for trinocular head and 20% for eyepiece)	Optional	Optional	Optional
Eyepiece	WF10×/22mm	Standard		
	WF10×/22 mm (Reticule 0.1mm)	Standard		
	WF10×/20 mm		Standard	Standard
	WF10×/20 mm (Reticule 0.1mm)		Standard	Standard
Infinite Strain Free Plan Achromatic Objective (Transmitted)	4×/0.10                      W.D=12.1mm	Standard		Standard
	10×/0.25                      W.D=4.64mm	Standard		Standard
	20×/0.40(S)                      W.D=2.41mm	Standard		Standard
	40×/0.66(S)                      W.D=0.65mm	Standard		Standard
	60×/0.80 (S)                      W.D=0.33mm	Optional		Optional
	100×/1.25 (S, Oil)                      W.D=0.12mm	Optional		Optional
LWD Infinite Strain Free Plan Achromatic Objective (Reflected)	5×/0.13 (S)                      W.D=24.23mm		Standard	Optional
	10×/0.25 (S)                      W.D=18.48mm		Standard	Optional
	20×/0.40 (S)                      W.D=8.35mm		Standard	Optional
	50×/0.70 (S)                      W.D=1.95mm		Standard	Standard
	100×/0.90 (S, Dry)                      W.D=1.1mm		Optional	Optional
Nosepiece	Backward Quintuple nosepiece, center adjustable	Standard	Standard	Standard
Analyzer Unit	Rotatable 360°, module type, can be locked	Standard	Standard	Standard
Bertrand Lens	Built In, Center Adjustable	Standard	Standard	Standard
Optical Compensator	$\lambda$ Slip(First Class Red), $1/4\lambda$ Slip, Quartz Wedge (I- IVClass)	Standard	Standard	Standard
Revolving Round Stage	Diameter $\Phi$ 156mm, Rotatable 360°, Center Adjustable, Division 1°, Vernier Division 6'	Standard	Standard	Standard
Attachable Mechanical Stage	Polarizing Attached Mechanical Stage with X-Y movement	Optional	Optional	Optional

## Specification

Focusing	Coaxial Coarse & Fine Adjustment, Range 25mm, Fine Stroke 0.2mm, Fine Division 0.002mm	Standard	Standard	Standard
Swing-out Condenser	N.A.0.9/0.13 swing out condenser	Standard		Standard
Polarizing Unit	with Scale, Rotatable 360°, Can Be Locked	Standard		Standard
Transmitted Illumination	5W LED lamp (Input voltage:100V~240V)	Standard		Standard
	Koehler Illumination 6V/30W Halogen Lamp (Input voltage: 100V~240V)	Optional		Optional
Reflected Illumination	5W LED lamp (Input voltage:100V~240V)		Standard	Standard
	With field diaphragm, aperture diaphragm, polarizer, 12V/50W halogen lamp (Input voltage:100V~240V)		Optional	Optional
Filter	Blue	Standard	Standard	Standard
	Amber	Optional	Optional	Optional
	Green	Optional	Optional	Optional
	Neutral	Optional	Optional	Optional
C-mount	1× (Focus adjustable)	Optional	Optional	Optional
	0.75× (Focus adjustable)	Optional	Optional	Optional
	0.5× (Focus adjustable)	Optional	Optional	Optional
Packing	Packing size 565mm×310mm×410mm, Gross Weight 12.5kgs, Net Weight 10kgs	Standard		
	Packing size 750mm×360mm×450mm, Gross Weight 15kgs, Net Weight 11kgs		Standard	
	Packing size 750mm×360mm×450mm, Gross Weight 16kgs, Net Weight 12kgs			Standard

## Application

STM-5062 series polarizing microscopes are ideal instrument in geology, petroleum, coal, mineral, chemicals, semiconductor and pharmaceutical inspection fields. They are widely used in academic demonstration and scientific research areas

## Sample Pictures

