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## LB-590 Trinocular Transmission and Reflection Polarizing Microscope

### Introduction

**LB-590 Trinocular Transmission and Reflection Polarizing Microscopes** are specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production. It can be used to analyze and identify various minerals and specimens, it can also be used to inspect chemical fiber, semiconductor products and medicines. Users can do single-polarized observation, orthogonal polarization observation, conoscope observation and photography with the microscope. Gypsum  $\lambda$  specimen, mica  $\lambda/4$  specimen, quartz wedge specimen and moving stage, wrenches come with the microscope. This microscope is a set of powerful and good quality polarizing microscope.

### Applications

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### Technical Specifications

Viewing Head:	Sliding trinocular viewing head, Inclined at 30°
Eyepiece:	Eyepiece WF10X/20
	Eyepiece WF10X/20 with graticule
	Eyepiece WF 10X/20 with scale of cross-line
Objective:	Strain free achromatic objective 4X, 10X
	Strain free achromatic objective (Transmitted) 25X, 40X, 63X
	Strain free plan achromatic objective (Reflected) 25X, 40X, 63X
	Lamp adjustment objective (Optional - must be purchased separately)
Nosepiece:	Backward quadruple nosepiece, Center adjustable
Analyzer:	Rotatable analyzer with gradation 0°-90°
Bertrand Lens:	Bertrand lens, Sliding in/out of optical path
Optical Compensator:	$\lambda$ Slip (first class red) , $1/4 \lambda$ Slip, Quartz Wedge
Revolving Round Stage:	Diameter $\Phi$ 160mm, Graduated in 1° Increments,
	Minimum resolution 6' when using vernier scale
Condenser:	NA1.25 Abbe condenser with iris diaphragm & filter
Focusing:	Coaxial coarse & fine adjustment, Range 28mm, Fine division 0.002mm
Polarizer:	360° Rotatable, Located on the top of collector
Illumination:	12V/ 20W Halogen lamp, Brightness adjustable
	(Transmitted illumination)
	12V/ 50W Halogen lamp, Brightness adjustable
	(Reflected illumination)
Accessories:	Mechanical stage, Moving range 30X40mm

