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LB-561 Trinocular Geological Polarizing Microscope with Wide Field, Bertrand Lens and Polarizer

Introduction

LB-561 Trinocular Geological Polarizing Microscopes with Wide Field, Bertrand Lens, and Polarizer 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.

They are equipped with a comfortable viewing, adjustable binocular head and a fine set of achromatic objectives giving a magnification range of 40X – 400X. The analyzer mounted in the head is retractable and the polarizer is mounted over the collector near the lamp and is rotatable though 360deg. The microscope is also supplied with a rack and pinion mounted, adjustable condenser with a 20W illumination source and coarse/fine focus knobs with limit stoppers and tension adjustment.

Applications

With the features of easy operation, complete functions and economy, it is an ideal instrument in geology, petroleum, coal, chemicals and physics fields. It is also widely used in academic demonstration and scientific research.

Technical Specifications

Viewing Head:	Sliding Trinocular Head at 45°, 360°Rotatable
Eyeiece:	Eyeiece WF10×/ 18 with Scale of Crosshair Eyeiece WF10×/ 18
Objective:	Strain free Achromatic Objective 4×、10×、40×
Nosepiece:	Toward Quadruple Nosepiece, Center Adjustable
Analyzer:	Rotatable Analyzer with Gradation 0°-90°
Bertrand Lens:	Bertrand Lens, 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:	Abbe Condenser with Iris Diaphragm & Filter
Focusing:	Coaxial Coarse & Fine Adjustment, Range 28mm, Fine Division 0.002mm
Polarizer:	Sliding in/ out of Optical Path, Located on the Top of Collector
Illumination:	6V/ 20W Halogen Lamp, Brightness Adjustable

