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LB-571 Trinocular Polarizing Microscope with Infinite Optical System

Introduction

LB-571 Polarizing Trinocular Microscope is specifically designed for geology, minerals, metallurgy, university teaching laboratories and other sectors. They are also used in chemical fiber industry, semiconductor industry and the pharmaceutical inspection industry more and more. The LB-571 polarizing trinocular microscope features a highly robust construction and first class optics designed to provide a long life and excellent quality images. The microscopes can be used for Single polarization, orthogonal polarization and conoscopic observation. Digital camera can be used together with the microscope for image analysis. Accessories like Gypsum slide, Mica slide, Quartz wedge and Mechanical stage are available.

Features

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

Applications

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

Technical Specifications

Optical System:	Infinite Optical System
Viewing Head:	Seidentopf Trinocular Viewing Head, inclined at 30°, 360° Rotatable
Eyepiece:	WF10×/ 20 with scale of Crosshair, WF10×/ 20 with Graticule WF10×/ 20
Objective:	Infinite strain free plan achromatic objective 4×, 10×, 20×, 40×, 60×
Nosepiece:	Backward quadruple nosepiece, center adjustable
Analyzer:	Rotatable analyzer with gradation 0°-360°
Bertrand Lens:	Bertrand lens, sliding in/out of optical path
Optical Compensator:	λ Slip (first class red), 1/ 4λ Slip, Quartz wedge
Revolving Round Stage:	Diameter Φ160mm, Graduated in 1° increments, Minimum resolution 6′ when using vernier scale
Condenser:	NA 0.9 Abbe Condenser with Iris Diaphragm & Filter
Focusing:	Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm
Polarizer:	360°Rotatable
Illumination:	12V/ 30W Halogen Lamp, Brightness Adjustable (Transmitted illumination)
Accessories:	Mechanical stage moving range 30x40mm Micrometer Color Correction Filter

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