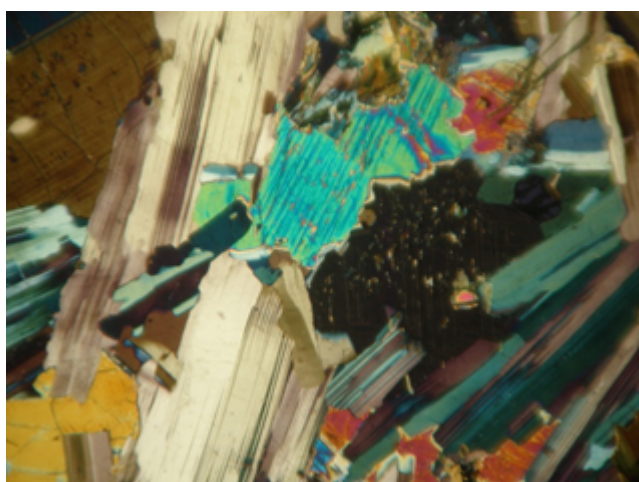


Polarizing Microscope IMP-1301



Polarizing Microscope IMP-1301 equipped with a high degree of sensitivity and best suited for anisotropic (mineral) specimens such as geology, minerals, metallurgy, university teaching laboratories, and other sectors. Built-in bertrand lens, polarizer and analyzer, 360° rotatable round stage, filter, condenser, etc. The binocular viewing head with wild field eyepieces and has excellent infinite strain free plan achromatic: 4X, 10X for reflected/transmitted 20X, 40X, 60X for Transmitted with optional: 100X for Transmitted 20X, 40X, 60X, 100X for reflected objectives, and each eye tube has interpupillary adjustment. This series is capable of providing strong images with a broad field of view, the multipurpose and perfect for basic studies of samples properties. Come with 12V/50W halogen Epi-Illumination lights, allowing samples to be illuminated for a more comprehensive field of view. Accomplished with the help of particular devices known as retardation plates and optical compensators. First order retardation plate is used in optical path differences ranging from a fraction of a wavelength up to several wavelengths. This flexible and multipurpose tool is known by different names, comprising a red plate, red-one plate, lambda (λ) plate, gypsum plate, selenite plate, sensitive violet, or simply a color tint plate and quartz wedge plate is a simple, semi-quantitative optical compensator used to examine optical path differences in a wide range of samples by the quartz wedge. Built in a crystalline block of quartz provide parallel or perpendicular optical axis to the edge of the birefringent crystal.

Sample Images



Technical Specification:

Model	IMP-1301
Type	Polarizing Microscope
Viewing Head	Binocular Head, 30°, 360° Rotatable, Interpupillary Distance: 48-75mm(optional: Trinocular Head 30°, 360°
Optical System	Infinite
Focusing	Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm
Eyepiece	WF10X 20mm, WF10X20mm with cross hair, WF10X20mm with scale of cross hair
Nosepiece	Backward quadruple
Objective	Infinite strain free plan achromatic : 4X, 10X for Reflected/Transmitted 20X, 40X, 60X for Transmitted
Stage	Revolving Round Stage of length 160mm, Graduated in 1° increments, Minimum resolution 6' when using vernier scale
Light Source	12V/50W halogen lamp Epi-Illumination with iris aperture diaphragm and iris field diaphragm, 12V/ 20W Halogen Lamp
Filter	Yes
Optional Accessories	C- Mount 0.4×2× SLR Camera adapter for Nikon or Canon DSLR camera, Specimen presser, Micrometer 0.01mm
Lens	Bertrand Lens
Polarising Unit	360° Rotatable with Filter
Optical Compensator	gypsum λ Slip (first class red), 1/ 4 λ Slip, Quartz wedge
Catalogue No.	440225-05-04

Technical Data:

Model	IMP-1301	IMP-1302
Type	Polarizing Microscope	
Viewing Head	Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-75mm(optional: Trinocular Head, inclined at 30°, 360°)	
Optical System	Infinite	
Focusing	Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm	
Eyepiece	WF10X 20mm, WF10X20mm with cross hair, WF10X20mm with scale of cross hair	
Nosepiece	Backward quadruple	
Objective	Infinite strain free plan achromatic : 4X, 10X for Reflected/Transmitted 20X, 40X, 60X for Transmitted (optional: 100X for Transmitted 20X, 40X, 60X, 100X for Reflected)	
Stage	Revolving Round Stage of length 160mm, Graduated in 1° increments, Minimum resolution 6 when using vernier scale (optional: Mechanical stage, moving range 30×40mm)	
Light Source	12V/50W halogen lamp Epi-Illumination with iris aperture diaphragm and iris field diaphragm and 12V/ 20W Halogen Lamp	
Polarizing Unit	360° Rotatable with Filter	
Optical Compensator	gypsum ? Slip (first class red), 1/ 4? Slip, Quartz wedge	
Lens	Bertrand Lens	
Filter	Yes	
Certification		
Optional Accessories	C- Mount 0.4×2× SLR Camera adapter for Nikon or Canon DSLR camera, Specimen presser, Micrometer 0.01mm	
Packing Dimension		
Packing Weight		
Electrical Requirement		
Catalogue No.	440225-05-04	440225-10-04



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