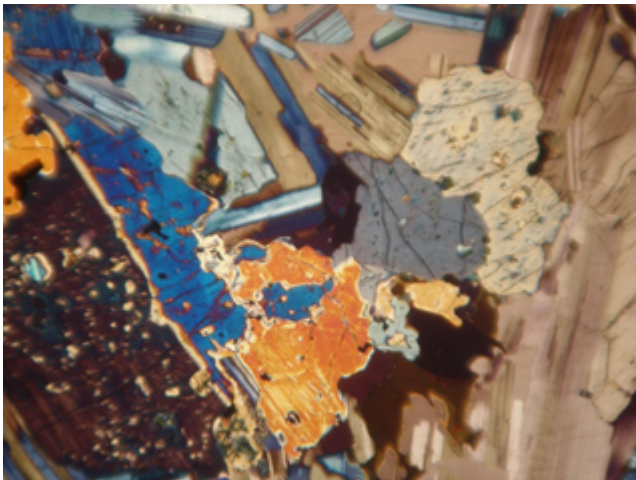
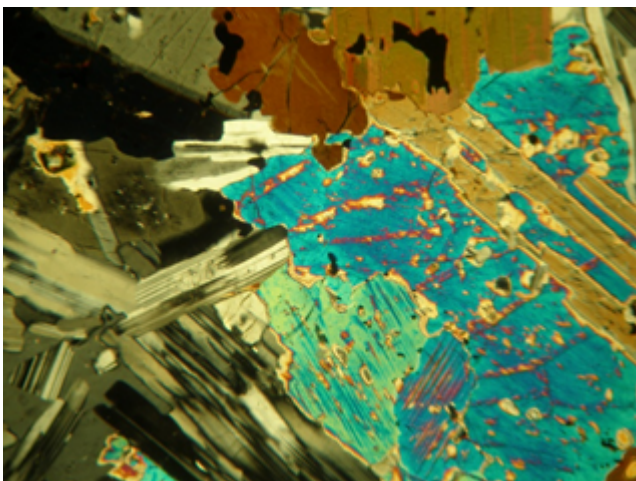


Polarizing Microscope IMP-1201



Polarizing Microscope IMP-1201 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/0.10-12.1mm and LWD infinite strain free plan achromatic: 5X/0.13(S)-23 mm, 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 5W LED 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-1201
Type	Polarizing Microscope
Viewing Head	Binocular Head, inclined at 30°, 360° Rotatable, ID: 48-76mm Binocular Head, inclined at 30°, 360° Rotatable, ID: 48-76mm
Optical System	Infinite
Focusing	Coaxial Coarse & Fine Adjustment, Range 25mm, Fine Stroke 0.2mm, Fine Division 0.002mm
Eyepiece	WF10×/22mm, WF10×/22 mm (Reticule 0.1mm)
Nosepiece	Backward Quintuple
Objective	Infinite Strain Free Plan Achromatic
Stage	Revolving Round Stage of length 156mm, Rotatable 360°, Center Adjustable, Division 1°, Vernier Division 6'
Condenser	N.A.0.9/0.13 swing out condenser
Filter	Blue(optional:Amber,Green,Neutral)
Optional Accessories	C-mount and filters
Shipping Dimensions	565×310×410mm
Shipping Weight	GW-12.5 kg NW-10 kg
Lens	Bertrand Lens
Polarising Unit	Scale, Rotatable 360 lockable
Analysing Unit	rotatable 360°, module type lockable
Optical Compensator	gypsum λ Slip(First Class Red), 1/4 λ Slip, Quartz Wedge (I- IV Class)
Catalogue No.	440220-05-04

Technical Data:

Model	IMP-1201	IMP-1202	IMP-1203	IMP-1204	IMP-1205	IMP-1206
Type	Polarizing Microscope					
Viewing Head	Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-76mm(optional: Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-76mm)					
Optical System	Infinite					
Focusing	Coaxial Coarse & Fine Adjustment, Range 25mm, Fine Stroke 0.2mm, Fine Division 0.002mm					
Eyepiece	WF10×/22mm,WF10×/22 mm (Reticule 0.1mm)	WF10×/20 mm,WF10×/20 mm (Reticule 0.1mm)	WF10×/22mm,WF10×/22 mm (Reticule 0.1mm)	WF10×/20 mm,WF10×/20 mm (Reticule 0.1mm)		
Nosepiece	Backward Quintuple					
Objective	Infinite Strain Free Plan Achromatic:4×/0.10,12.1mm 10×/0.25,4.64mm 20×/0.40(S),2.41mm 40×/0.66(S),65mm 60×/0.80 (S),0.33mm (optional:100×/1.25 (S, Oil),0.12mm)	LWD Infinite Strain Free Plan Achromatic: 5×/0.13(S),24.23mm, 10×/0.25 (S),8.48mm,20×/0.40 (S),8.35mm,50×/70 (S),.95mm (optional:100×/0.90 (S, Dry).1.1mm)	Infinite Strain Free Plan Achromatic:4×/0.10,12.1mm 10×/0.25,4.64mm 20×/0.40(S),2.41mm 40×/0.66(S),65mm 60×/0.80 (S),0.33mm (optional:100×/1.25 (S, Oil),0.12mm)	LWD Infinite Strain Free Plan Achromatic: 5×/0.13 (S),24.23mm 10×/0.25 (S),8.48mm 20×/0.40 (S),8.35mm 50×/0.70 (S),.95mm (optional:100×/0.90 (S, Dry).1.1mm)	Infinite Strain Free Plan Achromatic:4×/0.10,12.1mm 10×/0.25,4.64mm 20×/0.40(S),2.41mm 40×/0.66(S),65mm 60×/0.80 (S),0.33mm (optional:100×/1.25 (S, Oil),0.12mm)	
Stage	Revolving Round Stage of I length 156mm, Rotatable 360°, Center Adjustable, Division 1°, Vernier Division 6 (optional: Attachable Mechanical Stage Polarizing Attached Mechanical Stage with X-Y movement)					
Light Source	5W LED lamp (Optional:6V/30W Halogen Koehler Illumination) Transmitted and reflected			5W LED lamp (Optional:6V/30W Halogen Koehler Illumination) Transmitted	5W LED lamp (Optional:6V/30W Halogen Koehler Illumination) reflected	
Polarizing Unit	Scale, Rotatable 360 lockable	-	Scale, Rotatable 360 lockable		-	Scale, Rotatable 360 lockable
Analyzing Unit	rotatable 360°, module type lockable					
Optical Compensator	gypsum ? Slip(First Class Red), 1/4? Slip, Quartz Wedge (?- ?Class)					
Lens	Bertrand Lens					
Filter	Blue(optional:Amber,Green,Neutral)					
Condenser	N.A.0.9/0.13 swing out condenser	-	N.A.0.9/0.13 swing out condenser		-	N.A.0.9/0.13 swing out condenser
Certification						
Optional Accessories	C-mount and filters					
Packing Dimension	565×310×410mm	750×360×450mm	750×360×450 mm	565×310×410mm	750×360×450mm	750×360×450 mm
Packing Weight	GW-12.5 kg NW-10 kg	GW-15 kg NW-11 kg	GW-16 kg NW-12 kg	GW-12.5 kg NW-10 kg	GW-15 kg NW-11 kg	GW-16 kg NW-12 kg
Electrical Requirement						
Catalogue No.	440220-05-04	440220-10-04	440220-15-04	440220-20-04	440220-25-04	440220-30-04



Iris Analytical Ltd.

66 W Flagler St #900 Miami, Florida 33130 United States