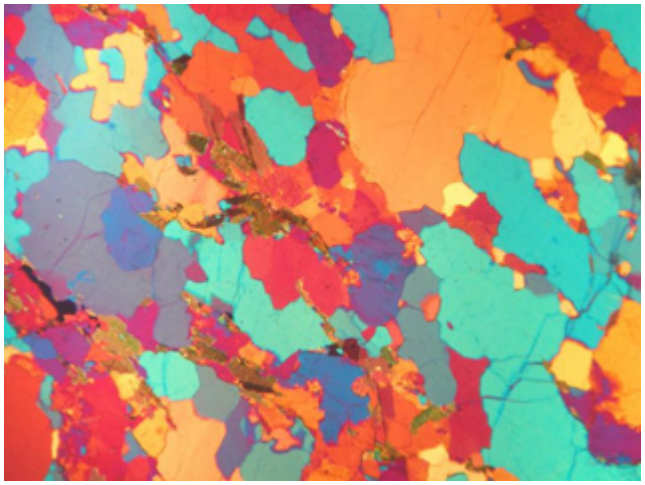
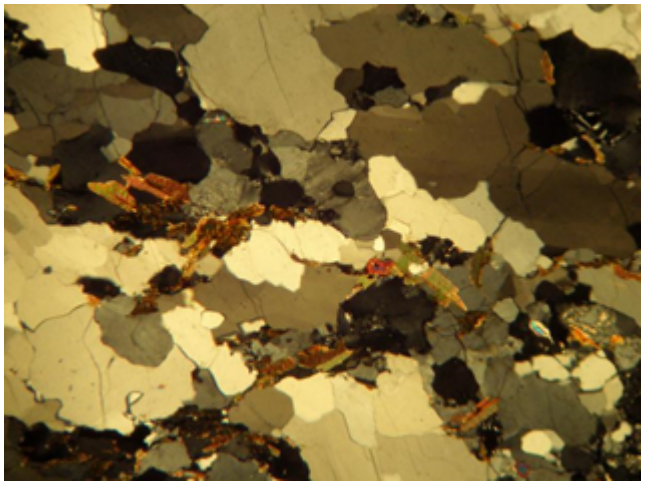
Polarizing Microscope IMP-1102

Polarizing Microscope IMP-1102 is 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 and trinocular viewing head with wild field eyepieces and has excellent strain-free infinite plan: 4X, 10X, 20X(S), 40X(S) with optional choice 60X(S) objectives, and each eye tube has interpupilary 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 6V/20W halogen lamp 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-1102
Type	Polarizing Microscope
Viewing Head	Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm. Light Distribution: 20:8.
Eyepiece	WF 10X18 mm, WF 10X18 mm (Reticule 0.1mm)
Nosepiece	Adjustable Quadruple
Objective	Strain-free Infinite Plan: 4X,10X, 20X(S), 40X(S)
Stage	360° Rotatable Round Stage, Center Adjustable, Division 1°, Vernier division 6', can be locked, stage diameter 146mm
Light Source	6V/20W Halogen Lamp(optional: 6V/30W Halogen Lamp)
Condenser	Abbe N.A. 1.25 Strain-free condenser
Filter	Blue(optional:Amber,Green,Neutral) filters
Optional Accessories	C-mount, Filter
Shipping Dimensions	570x2750x450 mm
Shipping Weight	8.6 kg
Lens	Bertrand Lens
Polarising Unit	With Scale Rotatable 360°, Can Be Locked, It can be moved out of the optical path
Analysing Unit	0-90°, it can be moved out of the optical path for single polarizing observe
Optical Compensator	gypsum λ Slip, First Class Red, 1/4λ Slip, (I-IV Class) Quartz Wedge
Catalogue No.	440215-10-04

Technical Data:

Model	IMP-1101	IMP-1102
Type	Polarizing Microscope	
Viewing Head	Binocular Head, Inclined 30°, Rotatable 360°, Interpupilary Distance: 48-75mm.	Trinocular Head, Inclined 30°, Rotatable 360°, Interpupilary Distance: 48-75mm. Light Distribution: 20:80
Optical System	Color Corrected Infinite	
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um	
Eyepiece	WF 10X18 mm, WF 10X18 mm (Reticule 0.1mm)	
Nosepiece	Adjustable Quadruple	
Objective	Strain-free Infinite Plan: 4X,10X, 20X(S), 40X(S)(optional:60X(S))	
Stage	360° Rotatable Round Stage, Center Adjustable, Division 1°, Vernier division 6, can be locked, stage diameter 146mm (optional: Polarizing Attached Mechanical Stage)	
Light Source	6V/20W Halogen Lamp(optional: 6V/30W Halogen Lamp)	
Polarizing Unit	With Scale Rotatable 360°, Can Be Locked, It can be moved out of the optical path	
Analyzing Unit	0-90°, it can be moved out of the optical path for single polarizing observe	
Optical Compensator	gypsum ? Slip, First Class Red, 1/4? Slip, (?-? Class) Quartz Wedge	
Lens	Bertrand Lens	
Condenser	Abbe N.A. 1.25 Strain-free condenser	
Filter	Blue(optional:Amber,Green,Neutral) filters	
Certification		
Optional Accessories	C-mount, Filter	
Packing Dimension	570x2750x450 mm	
Packing Weight	8.6 kg	
Electrical Requirement		
Catalogue No.	440215-05-04	440215-10-04

Iris Analytical Ltd.

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