



MICROSCOPES



cs@irisanalytical.com



+1 706 760 4500



www.irisanalytical.com

Polarizing Microscope IMP-2300 Series 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 trinocular viewing head with extra wild field eyepieces and has excellent infinite strain free plan achromatic: 4X/0.10-30.0 mm, 10X/0.25-10.2 mm, 40X/0.65(S)-0.7 mm and LWD infinite strain free plan achromatic: 5X/0.13-24 mm, 10X/0.25-10.2 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 12V/100W halogen lamp reflected and transmitted 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. The 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 a parallel or perpendicular optical axis to the edge of the birefringent crystal.

- Accomplished with the help of particular devices known as retardation plates and optical compensators.
- Infinite strain free plan achromatic and LWD infinite strain free plan achromatic objective, and Backward sextuple nosepiece
- Gypsum λ Slip, First Class Red, $1/4\lambda$ Slip, (I-IV Class) Quartz Wedge optical compensate system
- High point wild field SW10×/25mm, SWF10×/25 with cross line reticle, with fixing pin, SWF10×/25 with cross line, with fixing pin eyepieces
- Coaxial coarse & fine adjustment, range 32mm, fine division 0.001mm, coarse stroke 37.7mm per rotation, fine stroke 0.1mm per rotation
- Polarizing rotatable stage of length 170mm, center adjustable, 360° scale, minimum division 1°, minimum reading vernier scale 6 to 45° stop knob
- Strain-free swing out condenser N.A.0.9/0.25
- 12V/100W Halogen lamp reflected and transmitted light source
- Different filters Blue filter ND6 and ND25 Neutral density filter
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm and
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with NIS60 Infinite Plan Semi-Apochromatic optical system
- Optional accessories video adaptor and filters
- Built-in a crystalline block of quartz provide parallel or perpendicular optical axis to the edge of the birefringent crystal

