IRIS ANALYTICAL



MICROSCOPES

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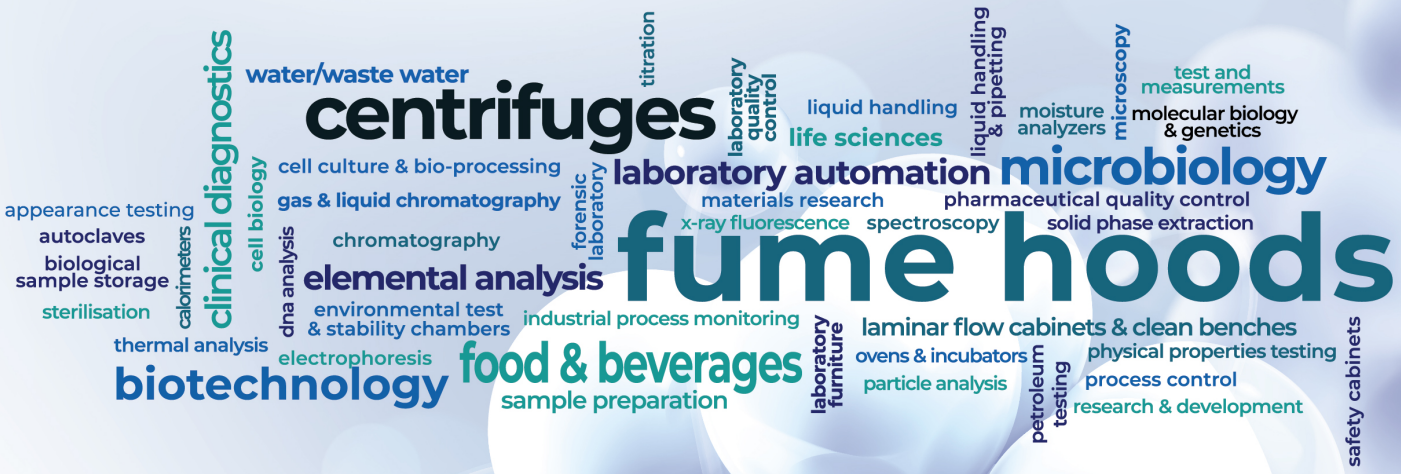
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www.irisanalytical.com

Polarizing Microscope IMP-2100 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 strain-free plan achromatic: 5X/0.12/∞/-15.5 mm, 10X/0.25/∞/-10.0 mm, 20X/0.4/∞/0-5.8 mm, 50X/0.75/∞/0-0.32 mm, 100X/0.8/∞/0-2 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 24V/100W Halogen lamp reflected 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 objective, and Backward quintuple nosepiece
- Gypsum λ Slip, First Class Red, 1/4λ Slip, (I-IV Class) Quartz Wedge optical compensate system
- High point wild field EW10×/22mm and Plan eyepiece with scale of crosshair, gridding 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
- N.A.0.9/0.13 swing out condenser
- 24V/100W Halogen lamp reflected light source
- 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 an infinite 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

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