IRIS ANALYTICAL



MICROSCOPES

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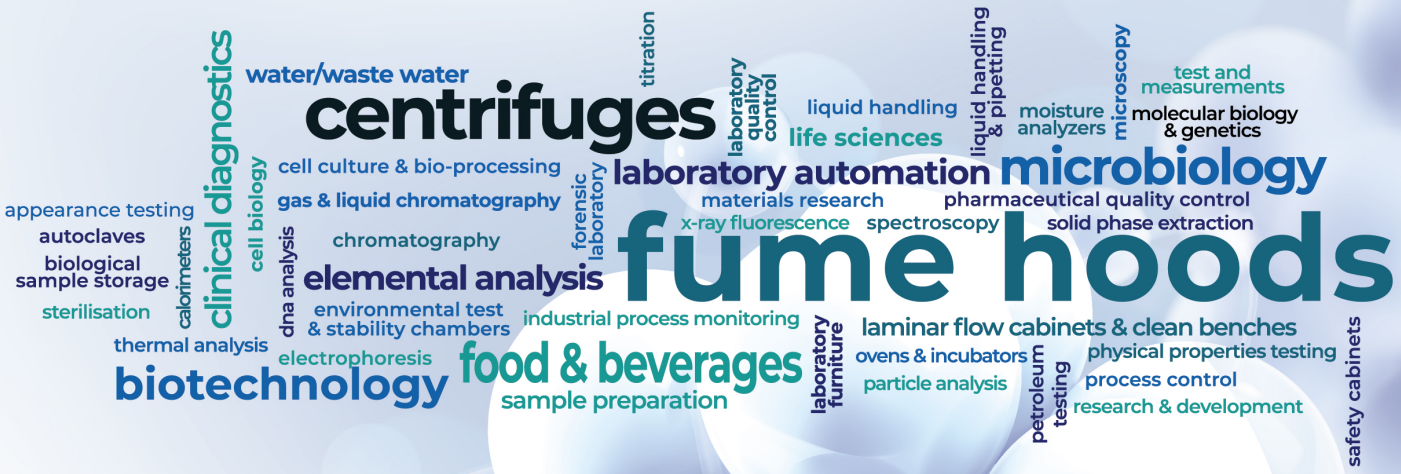
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www.irisanalytical.com

Polarizing Microscope IMP-1400 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 wild field eyepieces and has excellent infinite strain free plan achromatic: 4X/0.10/∞/-17.3 mm, 10X/0.25/∞/0.17-10.0 mm, 40X/0.65/∞/0.17-0.54 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/50W halogen 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, crosshair, gridding eyepieces
- Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm
- 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 transmitted 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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