

High-Contrast Image Reflected and Transmitted Metallurgical Microscope



iMet-214A reflected and transmitted microscope is suitable to observe surfaces of non-transparent object or transparent object.

It is equipped with vertical illumination, plan achromatic objectives with long working distance (no cover glass), wide-field eyepieces and set polarizer device in trinocular.

It provide clear and high-contrast image, beautiful sculpt, convenient control, etc. It is the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics, and suitable for scientific research, teaching demonstration in the colleges and factory.

Features:

- ▲ With plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces, can get clear pictures and wide view field.
- ▲ Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2 μ m.
- ▲ With vertical illuminator and transmitted illuminator, can observe surfaces of non-transparent object or transparent object.
- ▲ 6V 20W halogen lamp, adjustable brightness.
- ▲ Trinocular, can switch to observe normally or to observe the Polarize, can send 100% of light to the binocular eyepieces or to the top port.

Technical Specifications:

Model	iMet-214A
Eyepiece	Wide field WF10X(Φ 18mm)
Objective	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12
	Plan achromatic objectives with long working distance (no cover glass) PL L10X/0.25
	Plan achromatic objectives with long working distance (no cover glass) PL L20X/0.40
	Plan achromatic objectives with long working distance (no cover glass) PL L50X/0.70
Eyepieces tube	Trinocular, Inclination of 30°, (Analyzer with field diaphragm to switch)
Vertical illumination unit	6V 20w, halogen lamp, adjustable brightness
	Vertical illumination with field diaphragm, aperture diaphragm and
Focus system	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm,movingrange:63mmX50mm)
Vertical illumination unit	Abbe condenser NA.1.25 Rack & pinion adjustable
	Blue filter and Ground glass
	Collector for illumination with halogen lamp (With field diaphragm)
	6V 20w, halogen lamp, adjustable brightness