

DESCRIPTION

Upright Metallurgical Microscopes are suitable to observe surface of opaque object or transparent object. They are equipped with modularization function design so that provided excellent optical quality and operation performance, update system expediently and provided observation in reflected or transmitted and mixed illumination. They are the ideal instrument in scientific research & universities research work in biology, metallography, mineralogy, precision engineering, electronics, etc.



ACUMM-U2 Reflected and Transmitted Metallurgical Microscopes are suitable to observe surfaces of non-transparent object or transparent object. They are equipped with vertical illuminator and transmitted illuminator, plan achromatic objectives with long working distance (no cover glass), wide field eyepieces. They provide clear and high-contrast image, convenient control. This is ideal optical instrument for 2D Crystal Inspection.

TECHNICAL SPECIFICATION

Eyepiece	• Wide Field 10X plan eyepiece pair and field of view & field number is $\Phi 18\text{mm}$, diopter correction • Wide Field 15X plan eyepiece pair and field of view number is & field number $\Phi 15\text{mm}$, diopter correction (Optional)
Objective	Plan Achromatic objectives with long working distance (no cover glass): Standard: PL L 5X/0.12 , PL L 10X/0.25, PL L 40X/0.60, PL L 60X/0.75 Optional: PL L 20X/0.40, PL L 50X/0.70, PL L 80X/0.80, PL L 100X (Oil)/1.25
Viewing Head	Sidentopf Trinocular inclined $30^\circ/45^\circ$, Rotatable 360° , Inter Pupillary Distance 50~75 mm, with Built-in Analyzer 100:0% / 0:100% beam splitter
Focusing system	Coaxial coarse & fine focus system, low positioned knobs with tension adjustable device and up stop, Manual Focus adjustment 20mm, Coarse stroke : 10mm Fine stroke per rotation : 0.2mm, minimum division of fine focusing: $2.0\mu\text{m}$
Nosepiece	Quadruple / Quintuple (Backward /Reverse ball bearing inner locating)
Stage	Double Layer Mechanical stage, overall size : 185mmX150m, X-Y moving range: 75mmX40mm for Trasmitted & reflected light, Scale : 0.1mm
Illumination system	Reflected/ Epi – Illumination System : Kohler illumination, 6V/20W Halogen Lamp or LED, Brightness adjustable, with Field diaphragm & aperture diaphragm, with Y,B,G and frosted filter Transmitted Illumination System : Kohler illumination, 6V/20W Halogen Lamp or LED, Brightness adjustable, Blue filter and frosted filter Input Voltage : Universal SMPS Based power supply (100-240V) $\pm 10\%$ AC, 50/60Hz
Polarization	Polarizer, Built-in reflect light source Analyzer, Built in Head, switchable In/Out light path
Condenser	Abbe Condenser NA 1.25 Rack & Pinion adjustable Collector for halogen lamp
Standard Accessories	Dust Cover, Operating Manual
Optional Accessories	Grain Size Eyepiece, Objective 100X, Different Reticles, Darkfield Attachment, Microphotography Equipment, CCTV, HD Screen, HDMI Camera (with measurement function) etc

FEATURES

- Long working distance (no cover glass) plan achromatic objectives and wide-field eyepieces
- Coaxial coarse/fine focus system.
- With vertical illuminator and transmitted illuminator, can observe surfaces of non-transparent object or transparent object.
- Ergonomic design, low location of coaxial focus system.

Product Details

