

ULTIMA

Inverted Metallurgical Bright and
Dark Field Microscope



DMI-ULTIMA series microscope is professional inverted metallurgical microscope, it has Epi-kohler illumination and metallurgical objective which brings the clear and sharp image. It also has wide field eyepiece and long working distance bright & dark field infinite plan objective and polarization device, it is a large scientific research level metallurgical microscope, it meets the demand of all kinds of physicochemical analysis and inspection.



Technical Specifications

Trinocular Observation Head

- Siedentopf observation head inclined at 45°.
- Diopter adjustment ring on ocular tube.
- Interpupillary distance from 50mm to 75mm.

Eyepieces

1. Wide field plan eyepieces WF 10X/22mm
2. WF 10X/20mm, crosshair With reticule 0.1mm

Objectives

- Infinity plan LWD Bright & Dark field objectives:
- 5X/0.12 (W.D.=23.6mm)
- 10X/0.25 (W.D.=17.8mm),
- 20X/0.40 (W.D.=10.4mm)
- 50X/0.55 (W.D.=7.0mm)
- 100X/0.80 (W.D.=3.2mm)

Polarizing Device

- Analyzer 360 rotatable both polarizer and analyzer

can be moved out of the light path

Mechanical Stage

- Co-axial focusing system with large knobs, PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING. Quadruple nosepiece on ball bearing.
- Mechanical stage is 260mm X 223mm.
- Mechanical stage has low positioned co-axial controls on ball bearing guide ways.
- Phototube for micro photography.

Illuminator

Epi-Koehler's illumination. Aperture iris diaphragm and field iris diaphragm 24V/100W halogen lamp. Adjustable brightness. Filter wheel fixed in light path with blue, green & yellow filter.

Focusing

1. Coaxial coarse and fine focusing adjustment
2. Fine focusing scale value 0.002mm

Checking Tool

- 0.01mm micrometer

Standard Accessories

24V/100W halogen tungsten bulb, operating manual, dust cover, styrofoam molded pack.

Filter

- Green, blue, neutral

Light Source

- Transmission illumination: with aperture iris diaphragm and field iris diaphragm
- halogen bulb 12C50W, AC85V-230V brightness adjustable

Optional Accessories

- Eyepieces WF 15X
- Eyepieces WF 20X

Nosepiece

- Quintuple nosepiece with DIC jack