



MM-650 SERIES

Metallurgical Microscope



Metallurgical microscope suitable for observing the microscopic surfaces of nontransparent objects. The MM650 is equipped with a large mechanical stage and precision slide ways.

Easy fast and precision stage movement control using one hand only.

Vertical illumination and trinocular polarizer device. Clear, crisp and high-contrast image with or without colour filters.

Professional instrument for research work in metallographic environments or laboratories, mineralogy, precision engineering, electronics, etc.

Suitable for scientific research, teaching demonstration in colleges or even for use on shop floor.



Colour: Laboratory White

FEATURES:

- Plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces.
- Clear and crisp images from the eyepiece or from the video channel
- Video channel connector (CCD adaptor) included
- Works with normal camera's or video systems
- Large displacements of the mechanical stage, quick or slow movement
- Coaxial coarse/fine focus system, tension adjustable, upper limit stop, minimum division of fine focusing: 0.7µm.
- 6V 20W halogen lamp, adjustable brightness.
- Trinocular system, can easily be switched from manual observation to video channel

TECHNICAL SPECIFICATIONS

• Eyepiece	Wide field WF10X(18mm)
• Objectives	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12 PL 10X/0.25 PL 20X/0.40 PL 40X/0.60 PL 80X/0.80
• Eyepieces tube	Trinocular, Inclination of 30°, (Analyzer, switchable field diaphragm)
• Vertical illumination unit	6V 20w, halogen lamp, with brightness control.
• Vertical illumination	Field diaphragm, aperture diaphragm and polarizer, (Y,B,G) filter and frosted filter
• Focus system	Stage adjustable, Coaxial coarse/fine focus system, with tensional adjustable, up limit stop, minimum division of fine focusing: 0.7µm.
• Nosepiece	Quintuple (Frontward ball bearing inner locating)
• Stage	Three layer mechanical Size: 250mm x 230mm, (Standard) Traverse range: 154mm x 154mm Size: 280mm x 270mm, (Optional) Traverse range: 204mm x 204mm

OPTIONAL ACCESSORIES

• Eyepiece	Wide field WF16X(11mm) Dividing 10X(µ18mm) 0.1mm/Div
• Objectives	Plan achromatic objectives with long working distance (no cover glass) PL 50X 0.70 PL 60X 0.75 PL 100X 0.85 (Spring) PL 100X 1.25 (Spring, oil)
• Filter	Green & Yellow filter
• CCD adapter	0.4X ; 0.5X ; 1X ; 0.5X with dividing 0.1mm/Div
• Camera	DV-1 (With USB & video output) DV-2 (With USB output) DV-3 (With video output)
• Digital camera adapter	CANON (A610, A620, A630, A640)



Represented by:

IN09-047

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Changes in products and/or product specifications can emerge due to new technologies and continuous development.

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