



MET900 – Metallurgical Upright Microscope with 10MP Camera

Binocular / Trinocular

Download
Catalogue



MET900 Metallurgical Microscope, upright, infinity, plan achromatic optical system, quadruple inward nosepiece. MET900 is designed with a modular concept, allowing user customization, depending in your particular task which accepts a variety of attachments such as bright and dark field, polarization, Scope of application: suitable for electronics, metallurgy, chemical industry and instrumentation industry for observing transparent, translucent or opaque objects, that is, objects that need to be reflected by reflected light, such as gas springs, integrated blocks, printed circuit boards, liquid crystal panels, films , Fibber, textile, coating and other non-metal materials are also suitable for observation and analysis of medicine, agriculture, forestry, public security, schools, scientific research departments. It is also an ideal instrument for metallurgy, mineralogy, precision engineering, electronics and other research. Microscope can be equipped with digital photography camera

- Infinity Independent Plan Achromatic Optical system
- 12V 50W halogen lamp
- Binocular and trinocular models
- Incident and transmitted light
- Reversed quadruple revolving nosepiece
- Plan Achromatic Objective 10X/20X/50X(S)/80X(S)



Upright Metallurgical Microscope



Koehler Illumination



Nosepiece

Revolving and reversed nosepiece for 5 objectives



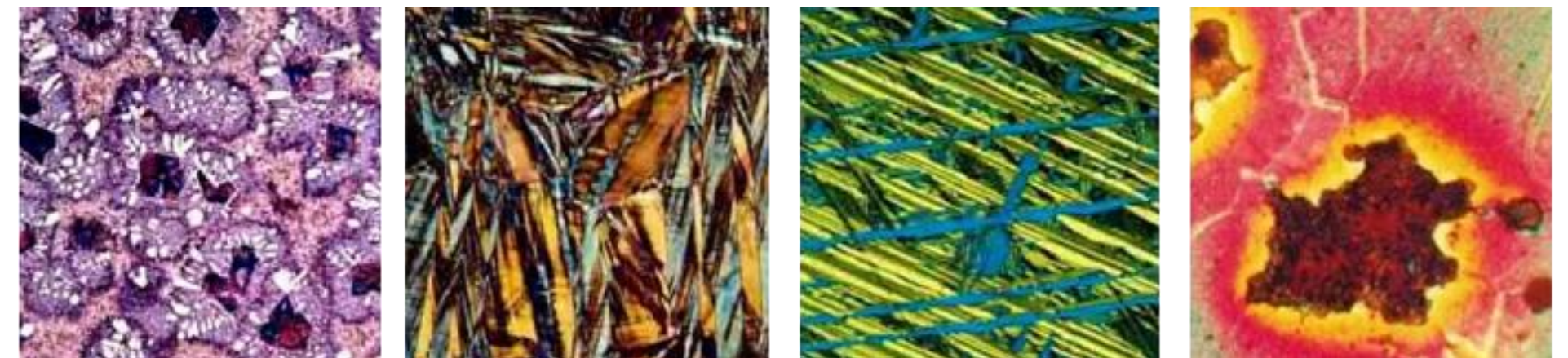
Objectives

Infinity Plan Achromatic Objectives



Light source

12V 50W tungsten-halogen* lamp



TECHNICAL SPECIFICATIONS

- Binocular and trinocular models
- Revolving quadruple nosepiece
- Built-in polarization system with polarizer and analyser
- Eyepiece with 0.1mm micrometre and cross hair included
- Fully coated optical system with high resolution
- 30 degree inclined 360 degree rotatable trinocular Siedentopf head
- Co-axial coarse & fine focusing system
- All metal mechanical parts
- Focusing tension control mechanism

EYEPIECES

- Extended EWF 10x/20 mm eyepieces, Ø 30 mm tubes
- Eyepieces can be secured to the tubes

HEADS

- Trinocular Siedentopf type heads are with 30° inclined tubes, Interpupillary distance from 52 to 75 mm, equipped with diopter adjustment(s).
- The trinocular head comes with a Ø 30 mm photo port.
- An optional ergonomic titling head (0:100 50:50) are also available (Optional)

NOSEPIECE

- Revolving and reversed nosepiece for 5 objectives

OBJECTIVES

- All optics are anti-fungus treated and anti-reflection coated for maximum light throughput
- Infinity polarizing achromatic objectives 10x/0.30 20x/0.45 S40x/0.70 S60x/0.80 S80x or S100X oil
- Infinity LWD metallurgical objectives 10x/0.25 20x/0.40 S50x/0.70 (S80x or S100X optional)

STAGE

- Mechanical Stage, right handed, 156X138mm, movement range 76X54mm

CONDENSER FOR BRIGHT FIELD

- Abbe NA 1.25, F 2-30mm Iris Diaphragm, with Filter.

FOCUSING

- Coaxial coarse and fine adjustments, 100 graduations, 1 µm per graduation, 100 µm per rotation, total travel approximately 20 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives.
- The coarse adjustments are equipped with friction control

ILLUMINATION

- 3 W adjustable LED or 6V 20W illumination for transmitted light, 12V 50W for reflected light with internal 100-240 V power supply

PACKAGING

- Supplied with power cord, dust cover, a spare fuse, user manual.
- All packed in good quality foam and carton.

Type	MET900BR	MET900TR	MET900BTR	MET900TTR
Body Co-axial Coarse and Fine Focus Mechanism Reflective Light	●	●		
Body Co-axial Coarse and Fine Focus Mechanism Reflective/Transmitted light			●	●
Binocular Head, Interpupillary distance 52-75mm	●		●	
Binocular Head, Interpupillary distance 48-75mm	○		○	
Trinocular Head, Interpupillary Distance 52-75mm (100:0)		○		○
Trinocular Head, Interpupillary Distance 52-75mm		●		●
Trinocular Head, Interpupillary Distance 48-75mm		○		○
High Eye Point Plan Eyepiece WF10X/20	●●	●●	●●	●●
Plan Reticule Eyepiece, Cross 10X/20mm	●	●	●	●
Infinity Plan Achromatic Metallurgical Objective 5X	○	○	○	○
Infinity Plan Achromatic Metallurgical Objective 10X	●	●	●	●
Infinity Plan Achromatic Metallurgical Objective 20X(S)	●	●	●	●
Infinity Plan Achromatic Objective Metallurgical 50X(S)	●	●	●	●
Infinity Plan Achromatic Metallurgical Objective 80X(S)	●	●	●	●
Infinity Polarizing Objective 100X (s, oil)	●	○	○	○
Infinity Plan Achromatic Metallurgical Objective 100x (S) Dry	○	○	○	○
Abbe Condenser			●	●
Darkfield Condenser (Oil)			○	○
Swing Out Condenser			○	○
Darkfield Condenser (Dry)			○	○
12V 100W Halogen Lamp House	●	●	●	●
12V 50W Halogen Lamp Power House with dimmer			●	●
12V 100W Halogen Lamp Power House	○	○	○	○
Reflected Light Illuminator (Single Module)	●	●	●	●
Reflected Light Illuminator (Multi- Module)	○	○	○	○
Reflected Mechanical Stage, right handed, 156X138mm, movement range 76X54mm	●	●		
Mechanical Stage, right handed, 156X138mm, movement range 76X54mm			●	●
Mechanical Stage, right handed, 185X177mm, movement range 75X50mm			○	○
Specimen Holder	●	●	●	●
Quadruple Nosepiece Facing Inward	○	○	○	○
Quintuple Nosepiece Facing Inward	●	●	●	●
Kohler Illuminator (No field diaphragm)			○	○
Kohler Illuminator (with field diaphragm)			●	●

0.5X C-Mount		○		○
0.65X C-Mount		●		●
1X C-Mount		○		○
0.25X C-Mount for 1/3 CCD		○		○
C-Mount		○		○
Digital Camera		○		○
Blue Filter (φ38) (LED Lamp without Filter)			●	●
Green Filter (φ38)			○	○
Yellow Filter (φ38)			○	○
Ground Glass (φ38)			○	●
Polarizer (Reflected)	●	●	●	●
Polarizer (Transmitted)			●	●
Polarizer	●	●	●	●
6V 20W Halogen Lamp			●●●	●●●
6V 30W Halogen Lamp			○	○
250V/3.15A φ5X20 fuse			●●●	●●●
12V 50W Halogen Lamp	●	●	●	●
250V/5A φ5X20 fuse	●●●	●●●	●●●	●●●
12V 100W Halogen Lamp	○	○	○	○
Optical Metallurgical Micrometer	○	○	○	○
Dust Cover	●	●	●	●
φ2mm Allen screw driver	●	●	●	●
φ2.5mm Allen screw driver	●	●	●	●
φ3mm Allen screw driver	●	●	●	●
Power Cord	●	●	●●	●●
User's Manual	●	●	●	●

Please note

If this Microscope does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.