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ZMM-100 AC METALLURGICAL MICROSCOPE

Metallurgical Microscope

ZMM-100 AC

ZMM-100 AC are kind of special microscopes which transform the optical path difference (phase difference) that produced when light passing through the transparent specimen into light intensity.

These kinds of microscopes are mainly used to observe the tissue slices without dyeing and specimens with high grade of transparency like viable cells, sometimes they can be used to observe the dyeing specimens that lack of contrast.

The phase contrast microscope can catch the details of the transparent specimens, they can be used to observe the growth, movement, proliferation and fine structure of the viable cells under living condition. So, they are the essential instruments for microbiology, cytobiology, cell and tissue culture, cell engineering and hybridoma technique and other modern biological research. They can also be used for dynamic observation of the crystal surface growth and can be effectively applied in the mineral crystal micro topography.



Plan Achromatic objective lens:
4X, 10X, 40X (spring),
100X (spring, oil)



Coarse adjustment stroke:
22mm, fine adjustment
accuracy: 0.002mm



Specifications

ZMM-100 AC

Total Magnification	Upto 2500x
Eyepiece	Wide Field WF 10X/20mm Centering Telescope WF10X
Viewing Head	Compensation trinocular head, 45° inclined, interpupillary distance 48-75mm
Nosepiece	4 holes revolving nosepiece, inward
Limited Plan Phase Contrast Objective	Plan Achromatic Objective PL 4X/0.10, PL 10XPh/0.25, PL 40XPh/0.65 (Spring), PL 100XPh/1.25 (Spring, Oil)
Focusing System	Coaxial coarse and fine focusing knob, with hand wheel elastic regulation and random limit locking mechanism. 0.002mm (2μm). Coarse focusing range 22mm, fine focusing graduation: 0.002mm (2μm)
Stage	Double-layer mechanical sliding stage area: 160mm x 142mm, Moving range: 76mm×52mm, can hold 2 slides
Phase Contrast Condenser	Limited phase contrast condensor dial insert, with 10X, 40X, 100X phase contrast ring light and dark field condenser
Lamp	3W LED, Compound eye illumination, not chargeable, brightness adjustable
Power Supply	External voltage stabilized power supply adapter DC 6V/2A
Optional Accessories	Micro camera, 2 million, 3.1 million, 5 million, 8 million pixels Digital camera adapter