

## OPTIC900B BINOCULAR BIOLOGICAL MICROSCOPE



### Application:

The OPTIC900B series biological microscope is a cost-effective advanced laboratory microscope which is designed primarily for work in medicine, as well as for clinical and biology research. The microscope can also be supplied with a refocusing stage for achieving more accurate results in relationship to more delicate samples.

Equipped with universal infinity independent plan achromatic optical system, chromatic aberrations, and curvature of field, make for the ideal field of view adjustment. And the OPTIC objectives have higher NA's which produce crisp and clear images with minimal flare. These are only some of the features which make the OPTIC900B microscopes stand out from others in both the price range and the field.

High eye-point, wide field of view eyepiece, as well as its diopter are all adjustable. Standard 10X eyepieces view-field can be adjusted between 20mm and 22mm. The high eye-point eyepiece with the distance up to 21mm view-field can bring you wider vision and more comfortable feeling.

### Features:

Super LED illumination greatly extending the life of the illumination system. New anti-mold, damp-proof optical system is adopted to meet different changing environments. High bright, non-spherical illumination system. No overheating problems in the base. Long lifespan LED lamp removes the problems relating to the frequent light bulb replacement. Optional built in high-capacity rechargeable battery provides 50 hours working without a power supply.

## Technical Specifications:

<b>OPTICS</b>	Infinity Independent, Plan Achromatic Optical System F-200mm;
<b>HEAD</b>	Seidentopf binocular tube, Interpupillary distance 52-75mm, 30° inclined, 360° rotatable, diopter adjustable;
<b>EYEPIECE</b>	WF 10X/20mm, High Eye Point up to 21mm;
<b>NOSEPIECE</b>	Quadruple inward;
<b>OBJECTIVES</b>	Plan Achromatic 2X/0.06, WD=3.55mm; Plan Achromatic 4X/0.10, WD=12.31mm; Plan Achromatic 10X/0.25, WD=5.03mm; Plan Achromatic 20X/0.4, WD=2.71mm; Plan Achromatic 40X/0.65 (S), WD=0.72mm; Plan Achromatic 60X/0.80 (S), WD=0.69mm; Plan Achromatic 100X/1.25 (S,O), WD=0.17mm;
<b>PHASE CONTRAST POSITIVE OR NEGATIVE OBJECTIVES</b>	PH Plan Achromatic 10X/0.25, WD=5.03mm; PH Plan Achromatic 20X/0.40, WD=2.71mm; PH Plan Achromatic 40X/0.65, WD=0.72mm; PH Plan Achromatic 60X/0.8, WD=0.69; PH Plan Achromatic 100X/1.25, (S, O) WD=0.17mm;
<b>PHASE CONTRAST SLIDES</b>	10X PH 20X PH 40X PH 60X PH 100X PH
<b>STAGE</b>	Double stage, 156 X 138mm, 76 X 54mm mechanical translation stage with XY coaxial control knob with sale and specimen slide clip up to two microscope slides;
<b>CONDENSER</b>	Multipurpose Phase Contrast Condenser, NA:1.25, Phase Contrast observation from 10X to 100X and Dark-field observation from 10X to 40X Abbe Condenser, NA=1.25, high adjustable, iris diaphragm, Dark Condenser (Dry);
<b>FOCUSING</b>	Coaxial coarse and fine adjustment, 0.20µm graduation;
<b>ILLUMINATION</b>	6V/20W Halogen Bulb – Power 110-240V, 0.5A, Halogen Bulb Socket G4; 6V/30W Halogen Bulb – Power 110-240V, 0.5A, Halogen Bulb Socket G4; 3W LED Bulb
<b>FILTER</b>	Blue Green Yellow Grass Glass
<b>PACKAGING</b>	GW: 12kg, NW: 9.5kg, Measures: 48 X 48 X 31.5cm