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# **ZBM-220 ATA BIOLOGICAL MICROSCOPE**

# Biological Microscope

## ZBM-220 ATA

ZBM-220 ATA is a laboratory biological microscope. It offers Trinocular Head light split optional between switch E100:P0/E0:P100 and Fixed E80:P20. In fixed light split, Eyepiece 80% : Photo 20% user can view image at same time in both path. In switch light split, Eyepiece 100% : Photo 0% / Eyepiece 0% : Photo 100%, Camera can have 100% light for photo capture. It is also equipped with Swing-out Condenser, N.A.0.9/0.13, Iris Diaphragm. User can control the amount of light according to demand.



Super Wide Field Eyepiece:  
SWF10x/22mm. Eyepiece  
Dia.30mm Diopter Adjustable



The eyepiece tube has fix screw  
to prevent eyepiece falling  
damage during move



Abbe Condenser N.A. 1.25:  
Large Size High Precision  
Quintuple Nosepiece, With  
Polarizing Analyzer Slot,  
Infinity Plan Objective  
4x, 10x, 20x, 40x, 100x Available



3W LED Köhler Illumination,  
Field Diaphragm powered by  
Safety Low Voltage Charger  
Input Wide Voltage 100V-240V,  
Output 5V1A, Support Power  
Bank Supply for outdoor use



Rackless (Integrated) Mechanical  
Stage: Large Size 182×140mm,  
Double Slide Holder. Travel Range  
77×52mm



## Specifications

## ZBM-220 ATA

<b>Head</b>	Seidentopf Trinocular Head Inclined 30°, Rotatable 360°, Interpupillary Distance 48-76mm, Light Split Switch E100:P0/E20:P80, Eyepiece Tube Dia.30mm
<b>Eyepiece</b>	WF10x/22mm, Dia.30mm, High Eyepoint, Diopter Adjustable
<b>Nosepiece</b>	Quintuple
<b>Infinity Plan Objective</b>	PLAN 4X/0.10, W.D.=12.10mm PLAN 10X/0.25, W.D.=4.64mm PLAN 20X/0.40 (S), W.D.=2.41mm PLAN 40X/0.66 (S), W.D.=0.65mm PLAN 100X/1.25 (S,Oil), W.D.=0.12mm
<b>Working Stage</b>	Rackless (Integrated) Mechanical Stage, Size 182×140mm, Travel Range 77×52mm, Double Slide Holder
<b>Focusing</b>	Coaxial Coarse & Fine Focusing, Coarse Focusing Travel Range: 22mm, Fine Focusing Div. 0.002mm
<b>Condenser</b>	Swing-out Condenser, N.A.0.9/0.13, Iris Diaphragm
<b>Illumination</b>	Transmit Light 6V30W Halogen Köhler Illumination, Wide Voltage 100V~240V, Field Diaphragm
<b>Field Diaphragm</b>	For Kohler Illumination
<b>Filter</b>	Dia.45mm, Blue
<b>Package</b>	Carton Size: 520×475×285mm, 1 Unit/Ctn
<b>Weight</b>	Gross Weight: 12 kg, Net Weight: 10 kg

# Optional Accessories

## Specifications

## ZBM-220 ATA

<b>Head</b>	Seidentopf Binocular Head Inclined 30°,Rotatable 360°, Interpupillary Distance 48-76mm, Eyepiece Tube Dia.30mm
<b>Infinity Plan Objective</b>	PLAN 2.5X/0.07,W.D.=8.47mm PLAN 60X/0.80 (S), W.D.=0.33mm PLAN 100X/1.15 (S,Water), W.D.=0.19mm
<b>Working Stage</b>	Mechanical Stage Size 175 mm×145mm, Travel 76mmX52mm, Scale: 0.1mm, Double Slide Holder
<b>Illumination</b>	Transmit 3W LED Köhler Illumination, Field Diaphragm powered by Safety Low Voltage Charger, Input Wide Voltage 100V-240V, Output 5V1A, Support Power Bank Supply for outdoor use
<b>Power</b>	ECO, Auto Power Off System. Power off automatically upon user leaving 10 minutes, Power on automatically upon user approaching detected. This function can be shut down manually
<b>Filter</b>	Dia.45mm, Green Dia.45mm, Yellow
<b>Dark Field</b>	Dark Field Condenser, Dry, N.A.0.83-0.91, For 4x10x40x Objective
<b>Polarizing</b>	Analyzer + Polarizer Set
<b>Phase Contrast</b>	- Infinity Plan Phase Contrast Objective 10x + Phase Contrast Slide 10x + Phase Contrast Condenser + Telescope 11x + Green Filter - Infinity Plan Phase Contrast Objective 20x + Phase Contrast Slide 20x + Phase Contrast Condenser + Telescope 11x + Green Filter - Infinity Plan Phase Contrast Objective 40x + Phase Contrast Slide 40x + Phase Contrast Condenser + Telescope 11x + Green Filter - Infinity Plan Phase Contrast Objective 100x + Phase Contrast Slide 100x + Phase Contrast Condenser + Telescope 11x + Green Filter - Turret Phase Contrast Attachment Infinity Plan Phase Contrast Objective 10x20x40x100x, Turret Phase Contrast Condenser 5-Holes, Telescope 11x, Green Filter
<b>Adapter</b>	C-Mount 0.5x, Focus Adjustable C-Mount 0.75x, Focus Adjustable C-Mount 1.0x, Focus Adjustable Digital Eyepiece Camera Adapter, Dia. 23.2mm/25mm



