



OPTIC101 – Student Biological Microscope

Binocular / Trinocular

Download
Catalogue



Is compact, maintenance free, economical microscope, excellent solution for Educational life science, Clinical Laboratory.

Bright field/Dark field, transmitted light

Coaxial X-Y-Z axis right hand mechanical stage, 1 μ m division

High quality optical system infinity corrected Standard DIN 160mm

Microscope full metal body, provide stability of instruments.

Fine and Coarse Coaxial Focusing Block on both sides, Microscope Stage is full made from metal parts to provide accurate and durable exploitation

Antimicrobial/Antifungal Coating

Binocular/Trinocular Microscope (trinocular is option)

Eyepiece: WF10X18

Condenser: Abbe Condenser NA1.25 with Iris Diaphragm 32mm with filter holder, high levelling, centering

Viewing Head: 30° Inclined and 360° rotating

Dioptres Adjustment on both oculars

Chemical resistance coating

FOCUSING

Coaxial coarse and fine adjustments on both sides, 100 graduations, 1 μ m per graduation, 10 μ m per rotation, total travel approximately 14 mm.(most to 25mm)

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 illumination or 20/30W tungsten-halogen* lamp, with 100-240 V power supply (battery is optional)

The innovative design offer larger apertures, allowing the optical system of the microscope to produce images at higher resolutions very close to the theoretical diffraction limit of the optics.

Other benefit is the low energy consumption, no heating and a long operating lifetime Colour temperature of Tungsten-Halogen lamp is 3.200K

Specifications: ● - Standard Configuration ○ - Optional configuration



Student Microscope

Light weight, Economical, adopted to the educational needs



Binocular or Trinocular

,Microscope Head binocular or trinocular, with high quality camera



Chemical resistance coating

Antimicrobial/Antifungal Coating



Innovative illumination system



Lead Lock

Simple Lead Lock with one button

OPTIC101	BL	BHPA	BLPA	THPA	BHPH	THPH	BHUD	THUD	BH	BTPA
Binocular, Interpupillary distance 48-75mm 30° Inclined 360° routable	●	●	●	○	●	○	●	○	●	○
Trinocular, Interpupillary distance 48-75mm (20:80)	○	○	○	●	○	●	○	●	○	●
Trinocular, Interpupillary distance 48-75mm (50:50)	○	○	○	○	○	○	○	○	○	○
High eye-point plan eyepiece WF10X/18	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
High eye-point plan eyepiece WF10X/20	○○	○○	○○	○○	○○	○○	○○	○○	○○	○○
Plan eyepiece WF16X/13	○○	○○	○○	○○	○○	○○	○○	○○	○○	○○
High eye-point plan eyepiece WF10X/18 (Pointer)	○		○	○	○	○	○	○	○	○
High eye-point plan eyepiece WF10X/20 (Pointer)	○	○	○	○	○	○	○	○	○	○
Reticule Eyepiece, Cross WF10X/18	○	○	○	○	○	○	○	○	○	○
Infinity Achromatic Objective 4X N.A.0.10	○	○	○	○	●	●	●	●	●	○
Infinity Achromatic Objective 10X N.A. 0.25	○	○	○	○	●	●	●	●	●	○
Infinity Achromatic Objective 40X(S) N.A.0.65	○	○	○	○	●	●	●	●	●	○
Infinity Achromatic Objective 100X(S)/(Oil) N.A. 1.25	○	○	○	○	●	●	●	●	●	○
Infinity Plan Achromatic Objective 2X	○	○	○	○	○	○	○	○	○○	○
Infinity Achromatic Objective 4x/0,10 W.D. 27	●	●	●	●	○	○	○	○	○	●
Infinity Achromatic Objective 10x/0,25 W.D. 7	●	●	●	●	○	○	○	○	○	●
Infinity Achromatic Objective 40x/0,65 W.D. 0,6	●	●	●	●	○	○	○	○	○	●
Infinity Achromatic Objective 60X (S)	○	○	○	○	○	○	○	○	○	○
Infinity Achromatic Objective 100X (S) (OIL) x/1,25W.D.0,25	●	●	●	●	○	○	○	○	○	●
Centring Eyepiece	○	○	○	○	●	●	○	○	○	○
Infinity Achromatic Objective 4X N.A.0.13	○		○	○	●	●	○	○	○	○
Infinity Ach. Phase-Contrast Objectives (Positive) 10X	○	○	○	○	●	●	○	○	○	○
Infinity Ach. Phase-Contrast Objectives (Positive) 40X (S)	○	○	○	○	●	●	○	○	○	○
Infinity Ach. Phase-Contrast Objectives (Positive) 100X (S) (Oil)	○	○	○	○	●	●	○	○	○	○
Plan Dis Phase-contrast Condenser	○	○	○	○	●	●	○	○	○	○
Plan Dis Phase-contrast Condenser (with 10X /40X dark field function)										
Mechanical Stage, right handed, 140X130mm, movement range 76X52mm with slide holder up to 2 pcs movement in three axis	●	●	●	●	●	●	●	●	●	●
Mechanical Stage, right handed, 156X138mm, movement range 76X54mm with slide holder	○	○	○	○	○	○	○	○	○	○
Reckless Stage, right handed, 185X177mm, movement range 75X50mm	○	○	○	○	○	○	○	○	○	○
Quadruple Nosepiece, inward facing	●	●	●	●	●	●	●	●	●	●
Quintuple Nosepiece, inward facing Click Stop	○	○	○	○	○	○	○	○	○	○
Abbe Condenser 0,9/1,25,	●	●	●	●	●	●	●	●	●	●

Kohler Illuminator (No field diaphragm)	●	●	●	●	●	●	●	●	●	●
Kohler Illuminator (With field diaphragm)	○	○	○	○	○	○	○	○	○	○
6V 20W Tungsten-Halogen Lamps	○	●	○	●	●	●	●	●	●	●
6V 30W Tungsten-Halogen Lamps	○	○	○	○	○	○	○	○	○	○
3W LED Electric Device (with Rechargeable Batteries)	○	○	○	○	○	○	○	○	○	○
3W LED Electric Device	●	○	●	○	○	○	○	○	○	○
0.5X C-Mount	○	○	○	○	○	○	○	○	○	○
1X C-Mount	○	○	○	●	○	●	○	●	○	○
0,65X C-Mount	○	○	○	○	○	○	○	○	○	○
Adapter for Nikon DSLR	○	○	○	○	○	○	○	○	○	○
Adapter for Cannon DSLR	○	○	○	○	○	○	○	○	○	○
Protection against unauthorized eyepiece and lens disassembly	○○	○○	○○	○○	○○	○○	○○	○○	○○	●●
Blue Filter (φ32)	○	●	○	●	●	●	●	●	●	●
Green Filter (φ32)	○	○	○	○	○	○	○	○	○	○
Yellow Filter (φ32)	○	○	○	○	○	○	○	○	○	○
Ground Glass (φ32)	○	○	○	○	○	○	○	○	○	○
250V/3.15A Φ5X20 fuse	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
1V LED Lamp	●	○	○	○	○	○	○	○	○	○
Immersion Oil	●	●	●	●	●	●	●	●	●	●
User manual	●	●	●	●	●	●	●	●	●	●
Dust Cover	●	●	●	●	●	●	●	●	●	●
φ2mm Allen screwdriver	●	●	●	●	●	●	●	●	●	●
Power Cord	●	●	●	●	●	●	●	●	●	●
Dimension W*D*H mm	200 × 150 × 350									
Net weight Kg	2,5									

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.