



A12.1030-B Laboratory Binocular Compound Light Microscope 100x

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: OPTO-EDU
- Certification: CE, Rohs
- Model Number: A12.1030-B
- Minimum Order Quantity: 1pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: Western Union, T/T Paypal
- Supply Ability: 5000 pcs/ Month



Product Specification

- Head: Seidentopf Binocular Head, 30° Inclined, 360°Rotatable, Interpupillary Distance 48-75mm
- Eyepiece: Plan Eyepiece 10x/20, Diopter Adjustable
- Nosepiece: Quadruple Nosepiece
- Objective: Infinite Plan Objective 4x, 10x, 40x, 100x
- Stage: Rectangular Mechanical Stage 180x130mm, With Specimen Holder, With Vernier Calibration, Moving Range 74x30mm
- Focusing: Coaxial Coarse & Fine Adjustment, Tension Adjustable, Fine Division 0.002mm, Coarse Focusing Range 28mm
- Condenser: Abbe NA1.25, With Remark For Correct Iris Diaphragm Of Each Objective
- Light Source: Built-in 3W LED Illumination, Brightness Adjustable
- LCD Screen: LCD Screen On Front Of Body, Display Working Condition Of Microscope, Including



A12.1030

Laboratory Biological Microscope, Coded Nosepiece & LCD



OPTO-EDU

A12.1030 Laboratory Microscope, Coded Nosepiece & LCD

- Brand New 2022 Compact High Level School Biological Microscope
- Coded Nosepiece & LCD Screen For Magnification & Brightness Display
- Brightness Memory, Color Temperature Adjust, Auto Power Off (ECO)
- PL 10x/20mm Eyepiece, NIS Series Infinity Plan Objective 4x10x40x100x,
- N .A.1.25 Abbe Condenser With Color Objective Position Scales

A12.1030 is the latest biological microscope for high-level schools to be launched in 2022. It has a compact and stable structure. The four hole coded nosepiece, together with the base LCD screen, can provide such advanced functions as magnification display, brightness memory, auto power off (ECO).

A12.1030's high-quality NIS series flat field achromatic objective lens and 20mm wide field objective lens can provide high-definition true color microscopic imaging. In addition to binocular and trinocular, there is also an integrated digital head, which is especially suitable for the use of micro digital interactive classrooms. It is the best choice for schools to upgrade microscopes!

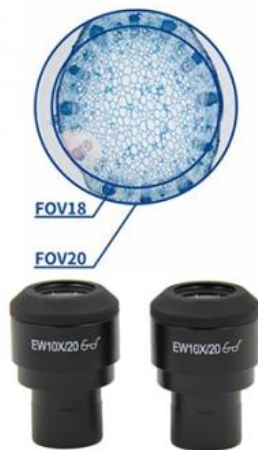


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Wide Field Of View 20mm

High eyepoint wide field eyepiece EW10x/20mm supplied 20% more view range than normal WF10x/18mm, with both eyepiece tube diopter adjustable $\pm 5^\circ$ makes everybody watch clearly & comfortable.



NIS Series Plan Achromatic Objective

NIS series plan achromatic objective provide excellent chromatic aberration correction capabilities and flatness of field of view. High numerical aperture and long working distance, High imaging definition and wide- range application. Restore the true color and realize accurate observation for samples.



Condenser

N.A.1.25 Abbe Condenser With Color Objective Position Scales



No Rack Fillet Working Stage

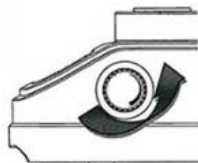
Rectangular Mechanical Stage 180x130mm, With Specimen Holder, With Vernier Calibration, Moving Range 74x30mm



Smart LCD & Coded Nosepiece

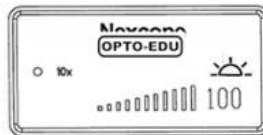
A12.1030 has coded nosepiece, work with smart LCD, user can adjust & show magnification, light source brightness and color temperature, further more, user can lock the certain brightness for each objective, or set Auto Power Off countdown timer from 5 minutes to 8 hours (Advanced ECO).

A12.1030 Smart LCD



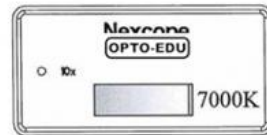
Multi-Function Knob

Single click, double click, long press, or rotate multi-function knob to work.



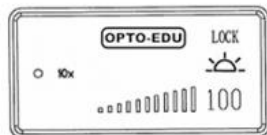
Adjust Brightness

Turning Knob to adjust & show light source brightness



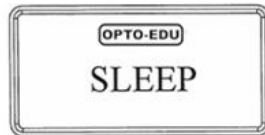
Adjust Color Temperature

Turning Knob to adjust & show light source color temperature



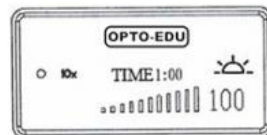
Lock Brightness

Double click knob to set brightness for different objectives



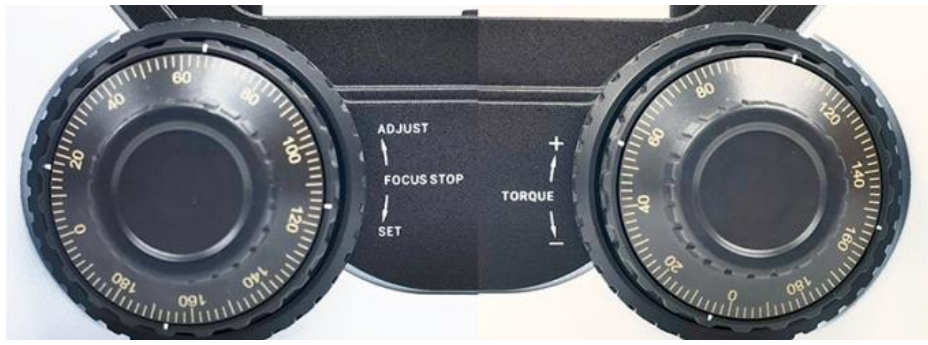
Sleep Mode

Single click knob to switch between Sleep/Working Mode quickly.



Auto Power Off Timer

Long press knob for 3s to set & show auto power off timer



Comfortable And Safe Focus Knob

Low position focus knob design, equipped with a stopper that can be used to set the upper limit of the stage height, the stage stops at the set height even when the focus knob is turned, thereby eliminating the risk of over-focusing and breaking the slides or damaging the objectives.

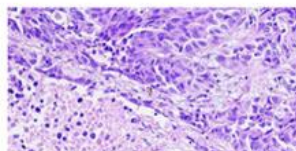
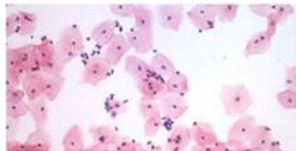


Carrying Handle And Hub Device

Equipped with a special carrying handle and lightweight, stable, and stable in structure. The back of microscope is designed with a hub device to accommodate long power cords effectively, reducing the power cord trip accident during the process of transport. Small size could minimize storage space.

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1 Microscope Main Body

One-piece cast body provides increased stiffness & steady

2 Eyepiece

EW10x/20mm plan eyepiece, with wider range of observation

3 Viewing Head Optional 3 Kinds

- Seidentopf binocular head
- Seidentopf trinocular head
- Integrated digital viewing head

4 Coded Nosepiece

Coded quadruple nosepiece, provide smooth and seamless operation, to work with Smart LCD.

5 Working Stage

Rectangular stage, there is no protruding on the left and right side of stage, so the operation could be more smooth and more suitable for beginners

6 Condenser

Inserted condenser NA1.25 with adjustable aperture, which could straightly set the best position of aperture diaphragm. Color-coded position guide markings of aperture diaphragm is corresponding to objective magnifications

7 Right-hand Coarse And Fine Adjustment

Coaxial coarse and fine adjustment, equipped with focus knob torque adjustment ring, adjust the first wheel torque of coarse and fine adjustment, stress-free operation is suitable for long-time microscope operators.

9 Smart LCD Screen

LCD is located at the front of microscope, gently lower the head you can see the microscope status including magnification, brightness, color temperature, stand by status etc, support **Advanced ECO** function

8 Left-hand Coarse And Fine Adjustment

Equipped with stage vertical movement stopper, thereby eliminating the risk of over-focusing and breaking the slides or damaging the objectives.

10 Wire Wrapping Device

Designed with a hub device, which can effectively store long power cords and improves cleanliness of laboratory. It also reduces trip accidents caused by excessive long power cords during transportation.



New Type Integrated Digital Head of A31.1030

Optional integrated digital head, same size as normal binocular head, the microscope can be connected to network and build a digital interactive classroom, Micro-morphology interactive teaching by using NOW. Lab system could help to save teaching time. There is no protruding camera interface, so microscope is more concise and the daily maintenance is more convenient.



A12.1030 Specification

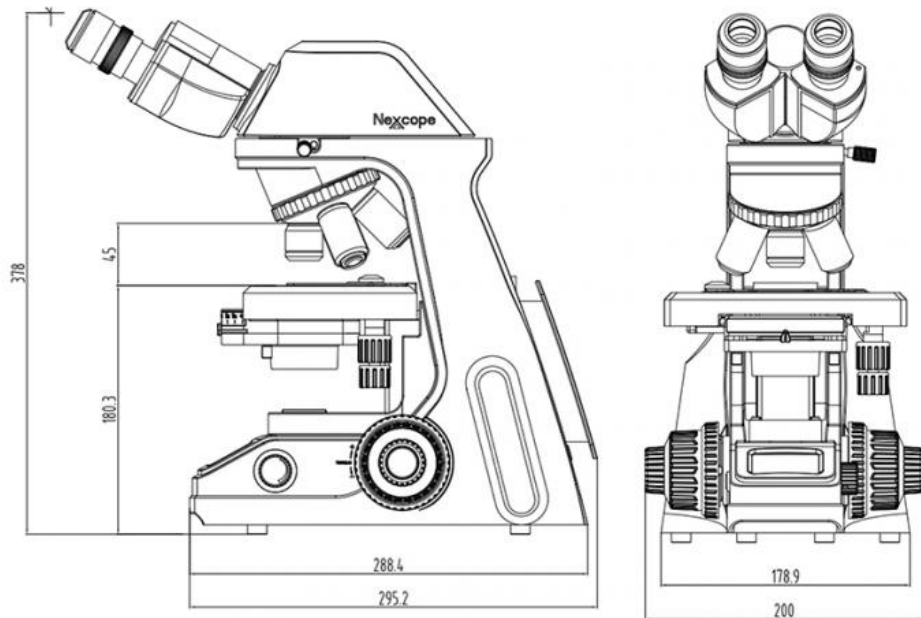


A12.1030 Biological Microscope		A12.1030	A12.1030	A31.1030	Cata. No.
		-B	-T		
Head	Seidentopf Binocular Head,				
	30° Inclined, 360° Rotatable, Interpupillary Distance 47-78mm, Dual Diopter Adjustable	●			
	Seidentopf Trinocular Head,				
	30° Inclined, 360° Rotatable, Interpupillary Distance 47-78mm, Dual Diopter Adjustable, Splitting Ratio of Eyepiece/Camera E:100/P0, 0/100		●		
	8.0M Digital Camera Built-in Binocular Head,				
	30° Inclined, 360° Rotatable, Interpupillary Distance 47-78mm, Dual Diopter Adjustable, Splitting Ratio of Eyepiece/Camera E:100/P0, 0/100			●	

Eyepiece	Plan Eyepiece EW10x/20mm	●	●	●	A51.1002-1020
	Plan Eyepiece WF15x/16mm	○	○	○	A51.1002-1516
	Plan Eyepiece WF20x/9.5mm	○	○	○	A51.1002-20
Nosepiece	Coded Quadruple Nosepiece, Support Objective Display, Brightness Memory Function	●	●	●	
Objective	Infinity Plan NIS45 Objectives, Anti-Fungus Treatment				
	4x, NA 0.1, WD: 28mm	●	●	●	A52.1030-4
	10x, NA 0.25, WD: 7.4mm	●	●	●	A52.1030-10
	20x, NA 0.40, WD: 6.2mm	○	○	○	A52.1030-20
	40x, NA 0.65, WD: 0.7mm	●	●	●	A52.1030-40
	60x, NA 0.80, WD: 0.14mm	○	○	○	A52.1030-60
	100x, NA 1.25, WD: 0.14mm, Spring, Oil	●	●	●	A52.1030-100
Working Stage	Rectangular Mechanical Stage 180x130mm, With Specimen Holder, With Vernier Calibration, Moving Range 74x30mm	●	●	●	
Focusing	Coaxial Coarse & Fine Adjustment, Tension Adjustable, Upper Limit Ring, Coarse Stroke 37.7mm Per Rotation, Fine Division 0.002mm, Fine Stroke 0.2mm Per Rotation, Coarse Focusing Range 25mm	●	●	●	
Condenser	Abbe NA1.25, With Colorful Remark For Correct Iris Diaphragm of Each Objective	●	●	●	
Light Source	Built-in 3W LED Illumination, Brightness Adjustable	●	●	●	
Smart LCD Screen	LCD Screen In Front Of Base, Working With Coded Nosepiece, Supply Advanced Function:	●	●	●	
	•Real Time Objective & Brightness Display,				
	•Brightness Memory,				
	•Color Temperature Adjust,				
	•Auto Power Off (ECO)				
ECO	Auto Power Off Countdown Timer From 5 Minutes to 8 Hours (Advanced ECO).	●	●	●	
Adapter	0.5x C-Mount		●		
Size	220(W)x290(D)x472(H), mm	●	●	●	
Packing	470*320*590mm, G.W.12.1Kg, N.W.8Kg	●	●	●	
Note: "●" In Table Is Standard Outfits					

A12.1030 Size(mm)

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A12.1030 Packing



More Pictures

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