



# **Educational Microscope**

## **LEM-A1 & B1 Series**

## Educational Microscope LEM-A1 Series.....

Educational compound microscope LEM-A1 series comes with siedentopf type binocular viewing head. With the help of coarse and fine focusing adjustment, LED source of illumination, it is possible to obtain clear and sharp images of the specimen. It is specially designed for examination & demonstration purpose. It can be used for advanced applications in schools and colleges.

## Features.....

- Siedentopf binocular head, inclined at 30°
- Wide field eyepiece WF10X
- Quadruple nosepiece
- Abbe N.A. 1.2 condenser with iris diaphragm with filter
- Achromatic objective 4x, 10x, 40x(s), 100x(s, oil)
- 3W/LED as source of illumination
- Double layer mechanical stage

## Applications.....

Educational microscope finds applications in pharmacy, bacteriology, biology, research industries, school and colleges.

## Specifications.....

Model no.	LEM-A10	LEM-A11
Optical System	Finite Optical System	
Viewing Head	Siedentopf binocular head, inclined at 30° eyepiece tube rotation 360°	
Eyepiece	Wide field eyepiece WF10X/18 mm	
Stage	Double layer mechanical stage: 142×132 mm Moving range: 75×50 mm	Double layer mechanical stage: 110×125 mm
Objective	Achromatic objective 4x, 10x, 40x(s), 100x(s, oil)	
Nosepiece	Quadruple nosepiece	
Focusing	Coaxial coarse & fine adjustment, fine division 0.002 mm, coarse stroke 36 mm	
Condenser	Abbe N.A. 1.2 condenser with iris diaphragm with filter	
Illumination	3W/LED brightness adjustable	
Dimension	340×255×490 mm	330×260×410 mm
Net weight	5 kg	4.2 kg
Gross weight	6 kg	5.2 kg

## Optional accessories: LEM-A10.....

Accessories No.	Name
1	Wide field eyepiece WF16X/13 mm
2	Wide field eyepiece WF20X/11 mm
3	3W/LED adjustment, rechargeable battery
4	Plan achromatic objectives 4x, 10x, 40x(s), 100x(s, oil)

## Optional accessories: LEM-A11.....

Accessories No.	Name
1	Wide field eyepiece WF16X/13 mm
2	Wide field eyepiece WF20X/11 mm
3	3W/LED adjustment, rechargeable battery
4	Semi-Plan achromatic objectives 4x, 10x, 40x(s), 100x(s, oil)

## Educational Microscope LEM-B1 series .....

Educational microscope LEM-B1 series comes with siedentopf type binocular viewing head. The fine & coarse focusing knobs are used for obtaining images of the specimens very quickly & sharply. It has inward quadruple, click-stop nosepiece with revolving mechanism. Educational microscopes are specially designed for examination & demonstration purpose.

## Features.....

- Siedentopf type binocular head
- WF10X/18 mm or WF10X/20 mm eyepiece
- Achromatic, Finite plan and Infinite plan objectives
- Inward quadruple, Click-stop revolving nosepiece
- 6V/20W Halogen lamp/ 3W LED as a source of kohler illumination

## Applications.....

Educational microscopes are used in bacteriology, botany, zoology, research industries, school and colleges for examination and demonstration purpose.

## Specifications.....

Model no.	LEM-B10	LEM-B11	LEM-B12
Optical System	Finite Optical System		Infinite Optical System
Viewing Head	Siedentopf binocular head, interpupillary distance range 48-75 mm, eyepiece tube rotation 360°		
Eyepiece	WF10X/18 mm	WF10X/20 mm	
Type of Objective	Achromatic objective 4x, 10x, 40x(s), 100x(s,oil)	Finite plan objective 4x, 10x, 40x(s), 100x(s,oil)	Infinite plan objective 4x, 10x, 40x(s), 100x(s,oil)
Stage	Double layer mechanical stage: 140×132 mm Travel area: 76×50 mm with a right hand stage handle, 0.1 mm provision; double slide holder		
Focusing	Coaxial coarse & fine adjustment knobs		
Nosepiece	Inward quadruple click-stop, revolving mechanism with multiple ball bearing		
Condenser	Abbe N.A. 1.25 condenser with Iris diaphragm		
Illumination	Built-in kohler illumination system 3W LED or Halogen 6V/20W, adjust brightness, field diaphragm		
Power supply	85V~265V universal power supply		
Dimension	390×280×450 mm		
Net weight	6 kg		
Gross weight	8 kg		

## Optional Accessories For LEM-B10, B11, B12 models .....

Accessories No.	Name
1	Phase contrast kit
2	Dark field condenser
3	Siedentopf type Trinocular head