

Kyowa

# STEREO MICROSCOPES

Stereoscopic microscopes for the teaching laboratory combine precision and economy for sharp, erect 3-D viewing.



KYOWA OPTICAL CO., LTD.

# KYOWA STEREO MICROSCOPE

Quality stereo microscopes designed to provide years of trouble-free performance in the active teaching laboratory.

The versatility you need at a price you can afford.

- Precision optical system provides sharp, erect 3-dimensional viewing.
- Rugged, full-size metal stand for long-lasting reliability.
- Long working clearances permit easy widefield viewing of large specimens and living materials.
- Interchangeable widefield eyepieces afford maximum versatility.
- Interlocking eyepiece tubes allow individual interpupillary adjustment.
- Paired achromatic objectives are factory-fixed to binocular body for precise centering and alignment.
- Coarse rack and pinion adjustment knobs permit easy focusing from both sides.

## Model

SE

Three Models  
PLAIN BASE

### Features:

- Paired, interlocking widefield eyepieces provide adjustable interpupillary distances from 51mm to 74mm.
- Binocular head inclined at 60° permits comfortable, easy viewing.
- Reversible head for greater versatility.
- Plain base with 93.8mm black-and-white stage plate, clear glass and stage clips.
- Paired objectives can be rotated for easy magnification changes.
- Rugged, full-size metal stand.



Reversible Head for viewing ease

# OPES MODELS SE and SEL



## Model

**SEL** Three Models  
BUILT-IN DUAL  
ILLUMINATION SYSTEM

### Features:

- All the valuable features of Model SE plus:
- Built-in push-button dual illumination system provides transmitted and incident lighting. (100 to 120V AC 20 watt or 220 to 240V AC 20 watt.)

## Stereographic Models SE/SEL Selection Guide:

### Optical Table

| Models     | Paired Objectives in Turret | Eyepieces (Paired) |                 |            |                 |            |                 | Working Distance (mm) |
|------------|-----------------------------|--------------------|-----------------|------------|-----------------|------------|-----------------|-----------------------|
|            |                             | Standard           |                 | Optional   |                 |            |                 |                       |
|            |                             | WF10X              |                 | WF15X      |                 | WF20X      |                 |                       |
|            |                             | Total Mag.         | Real Field (mm) | Total Mag. | Real Field (mm) | Total Mag. | Real Field (mm) |                       |
| SE-1-SEL-1 | 1X                          | 10X                | 20.0            | 15X        | 16.0            | 20X        | 11.0            | 106                   |
|            | 2X                          | 20X                | 10.0            | 30X        | 8.0             | 40X        | 5.5             |                       |
| SE-2-SEL-2 | 1X                          | 10X                | 20.0            | 15X        | 16.0            | 20X        | 11.0            | 79                    |
|            | 3X                          | 30X                | 6.7             | 45X        | 5.3             | 60X        | 3.6             |                       |
| SE-3-SEL-3 | 2X                          | 20X                | 10.0            | 30X        | 8.0             | 40X        | 5.5             | 61                    |
|            | 4X                          | 40X                | 5.0             | 60X        | 4.0             | 80X        | 2.6             |                       |



**Eyepieces**

WF10X

WF15X

WF20X

10X, 15X and 20X eyepieces are also available.

### Models SE-1, SE-2, SE-3

|                |                          |                |
|----------------|--------------------------|----------------|
| 30cm           | Height                   | 36cm           |
| 3kg            | Weight of microscope     | 4kg            |
| 3.5kg          | Wt. with styrofoam case  | 4.5kg          |
| 33 x 44 x 19cm | Size of a styrofoam case | 33 x 44 x 19cm |

### Models SEL-1, SEL-2, SEL-3

# KYOWA STEREO MICROSCOPES

## NOMENCLATURE OF MODEL SEL



## MODEL SEL A Complete Microscope

1. Eyepieces WF10X (extra WF15X, WF20X)
2. Eyepiece-tubes
3. Mirror box heads
4. Interlocking device for interpupillary distance adjustment (not shown)
5. Head fixing screws (3 pieces)
6. Head holder
7. Knurled ring for objective rotation
8. Objective cover mount
9. Lamp-house (holding a blue filter and a plano-convex lens)
10. Stage clips
11. Stage glass plate holding screw
12. Transmitted illumination base including a lamp and electric system
13. Stage glass plate
14. Blue filter
15. Black-and-white stage plate
16. Coarse adjustment knobs by rack and pinion gear
17. Lamp socket cover including a lamp
18. Sliding arm stand
19. Push button switches
20. Cord and plug (three-wire)
21. A bulb (20 watt)

• All specifications subject to change without prior notice.

