LABOMED
ideas for vision

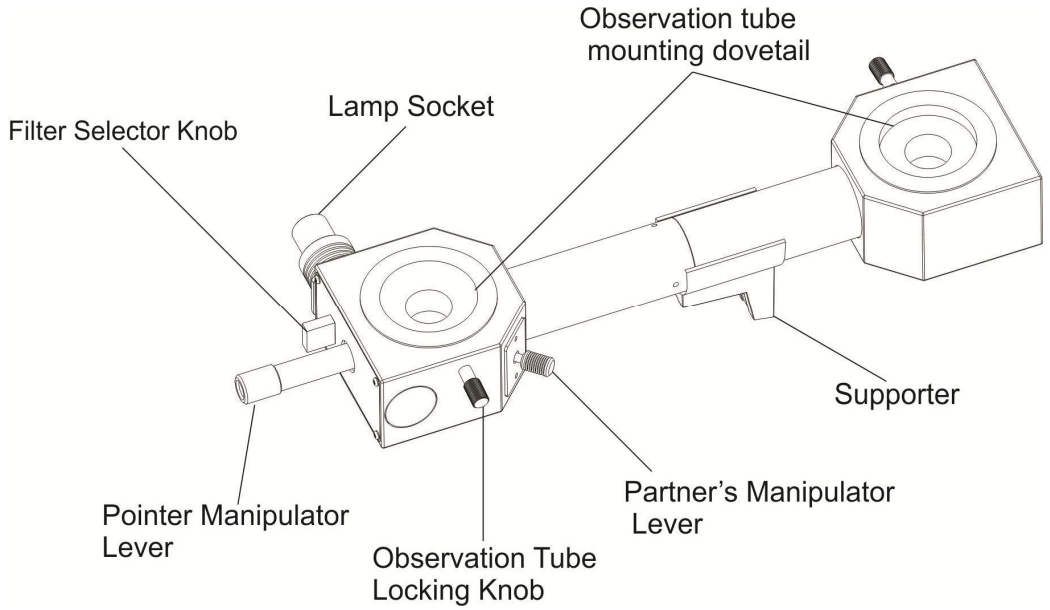
DUAL VIEWING ATTACHMENT

OPERATING INSTRUCTIONS

STANDARD CONFIGURATION

Components	Model	Qty.
Dual viewing body	LX-DO	1
Pointer illuminator bulbs	6V-10W	1
Transformer	Input 110V, output 6V	1
Binocular observation head assembly with dust covers	BH	2
Eyepiece	10X WF	2
Dual viewing body supporter		1
Dust caps		3

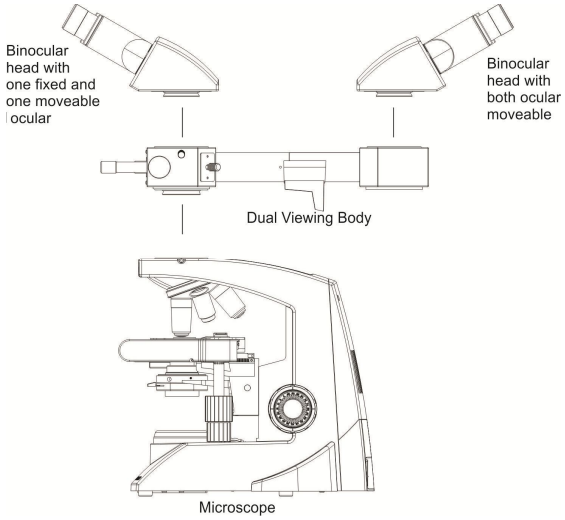
IDENTIFICATION OF COMPONENTS



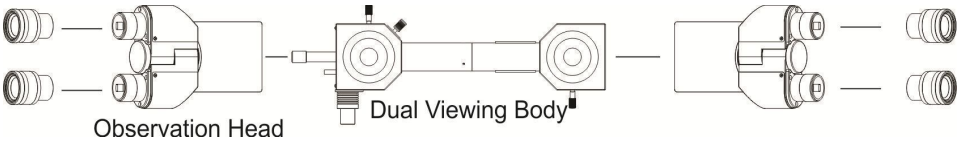
ASSEMBLY

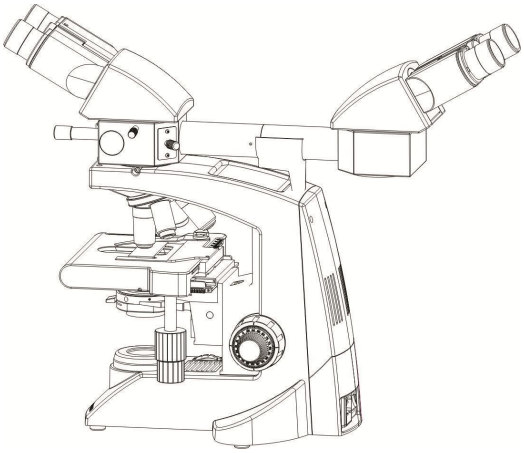
The dual viewing attachment fits the LABOMED Lx 400 and Lx 500 microscopes. The diagrams below illustrate the assembly procedure step by step. The numbers in circles indicate the order in which the components are assembled.

- Remove the dust caps before mounting the components. Take care to keep all glass surfaces clean and avoid scratching them.



<u>Remarks:</u> If the demonstrator and partner are positioned opposite each other, they can observe the identical image of a specimen.





When used with the DO, the binocular observation head BH gives a magnification factor of 1.3x. Without the DO, the observation head gives a magnification factor of 1x when used on the microscope. In both cases, the achromatic objectives remain parfocal and parcentered.

OPERATION

Assembly

The user must assemble the system and make the electrical connections as illustrated in section 3.

Focusing

1. Connect the lamp cord to the outlet on the transformer and switch on the power: the pointer lights up.
   If the pointer is not visible in the field of view, bring it back to the center of the field with the manipulator lever.
2. Rotate the lamp socket to obtain the best light intensity in the pointer.
3. Focus roughly on the specimen with the coarse and fine focus knobs.

- Adjust the interpupillary distance (on both the demonstrator and the partner side).
- The demonstrator should now focus finely with the right eyepiece tube of the binocular head and adjust the focus in the left tube by rotating the helicoid ring. The partner should then focus finely with the helicoid rings provided on both the right and left eyepiece tubes.

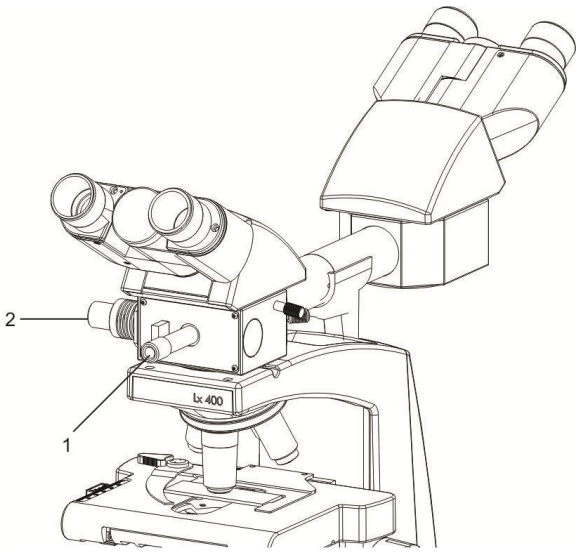
Using the pointer

The pointer can be operated by both the demonstrator and the partner.

1. For the demonstrator: move the manipulator lever (1) to guide the pointer to any position in the field of view.

   It is easier to operate the manipulator lever with your thumb while resting your fingers on another part of the viewing body.

2. Choose the color of the filter, green or orange, with the filter selector lever (2) according to the specimen tint.



3. For the partner:

i. As the model DO is designed to let the partner share the identical image of the specimen with the demonstrator from the opposite direction, the partner is also able to handle the pointer as well as the mechanical stage and focus adjustment knobs.

ii. The partner is conveniently provided with a manipulator lever (1) to control the pointer from the position opposite the demonstrator.

