

SPECIFICATIONS

Viewing Head: Monocular Head Inclined at 30°

Eyeiece: WF10X, 25X (M150C version only)

Mechanical Stage Size: 90mm X 90mm

Condenser: N.A.0.65 with disc diaphragm

Objective Lenses: 4X, 10X, 40X

Focusing: Coarse adjustment with rack-and-pinion stage-movement

Illumination: LED lamp.

SET-UP

1. GETTING THE MICROSCOPE READY FOR USE

First, familiarize yourself both visually and physically with the mechanical parts of your microscope. Gently operate each part by hand (no tools required) to see how it behaves and what result it produces.

2. MOUNTING THE OBJECTIVES AND EYEPIECE

To put the eyepiece in place, simply slide it into the eyepiece tube. The objective lenses screw into the rotating nosepiece. If the objectives are already mounted in the nosepiece, check to see if they are tightly in place. To do this, grip each objective near the base with your fingers, and turn clockwise. Do not tighten them with tools, they need only to be "finger tight". With all objectives mounted in the nosepiece, the entire nosepiece can be rotated by hand. As you rotate the nosepiece you will notice that each objective lens has a "click stop" which stops and holds the objective lens being used in its proper position relative to the optical axis of the microscope.

3. ILLUMINATION

This model can be powered by an AC adapter or batteries. Using either method, push the power switch on the back of the microscope to ON. A dial on the left side of the microscope's base controls the intensity of the light.

OPERATION

Once you have set up your microscope for use, follow the steps below to prepare the specimen to be studied for viewing:

- Place the slide to be viewed onto the stage so that the stage clips hold it firmly in place. Position the slide so that the portion of the specimen that you wish to observe is below the 4X objective.
- Slowly rotate the coarse focus knob until the stage is approximately 1/8" from the objective, being sure not to let the slide come in contact with the objective, which can result in damage to the slide or lens. When using the coarse focus knob, start with the objective as close to the slide as possible, then focus away from the slide. This will help to prevent any contact between the objective and the stage/slide.
- Rotate the disc diaphragm to control the amount of light, and how much of the image is in focus.
- To change the magnification, first lower the stage using the focus knob, in order to create room for rotating the lenses. Rotate the nosepiece until the desired objective is in place. Raise the stage to the point closest to the objective, then focus away from the lens (down).
- To determine the total magnification, multiply the magnification of the objective lens with that of the eyepiece (e.g. 10X objective x 10X eyepiece = 100X magnification).

MAINTENANCE

1. Keep the instrument in a dry and cool place, and keep it away from corrosive substances. Put the dust cover over it when it is not used.
2. Keep lenses clean – remove dust using a soft brush.

MANUAL DOWNLOAD

To download the complete manual, go to:
www.amscope.com/download

Use the download code: H214E