

WORKING MANUAL

STANDARD CONFIGURATION

Component					QUANTITY
	MS 113	MS 213	MS 124	MS 224	
Microscope Stand without light	0	-	0	-	1
Microscope Stand with light	-	0	-	0	1
Binocular Head 1X, 3X	0	0	-	-	1
Binocular Head 2X, 4X	-	-	0	0	1
Eye Pieces SWH10X	0	0	0	0	2
Stage Clip	0	0	0	0	2
Stage Glass	-	0	-	0	1
Black & White Plate	0	0	0	0	1
Fluorescent Tube	-	0	-	0	1
Halogen Bulb with Reflector	-	0	-	0	1
Power Cord	-	0	-	0	1
Dust Cover	0	0	0	0	1

INSTALLATION

1. Remove the microscope from the thermocole packing and place on a flat table.

(FOR MS - 213 & MS - 224)

- a) Insert the incident illuminator cord into the top pillar socket hole.
- b) Opening the light Base window at the bottom, insert Fluorescent tube into the socket holder and close the window.

CONNECTING THE POWER CORD

Plug the power cord into the socket, on the rear of the microscope.

MOUNTING THE HEAD

Loosen the head fixing screw and insert the head from the top and tighten the head fixing screw.

EYE PIECE INSERTION

- a) Remove the eyepiece caps.
- b) Insert eyepieces into the ocular tube along with eye guards.

INSERTION OF STAGE GLASS OR BLACK & WHITE PLATE

Insert the stage plate on the central hole of Base and set the stage clip on it.

MICROSCOPE OPERATION

- a) Set the objective at click position by rotating of turret knob for min or max magnification as required.
 - b) Put the specimen on the stage plate.
 - c) External light source or day light or in - built illuminator can be used for illumination
-
-

d) **IN-BUILT ILLUMINATION**

For using the microscope, switch on the main supply, and also switch 1 & switch 2 and Intensity control knob on the right of the microscope as per requirement.

Switch - 1 For Incident light source (Halogen)

Switch - 2 For Transmitted light source (FL)

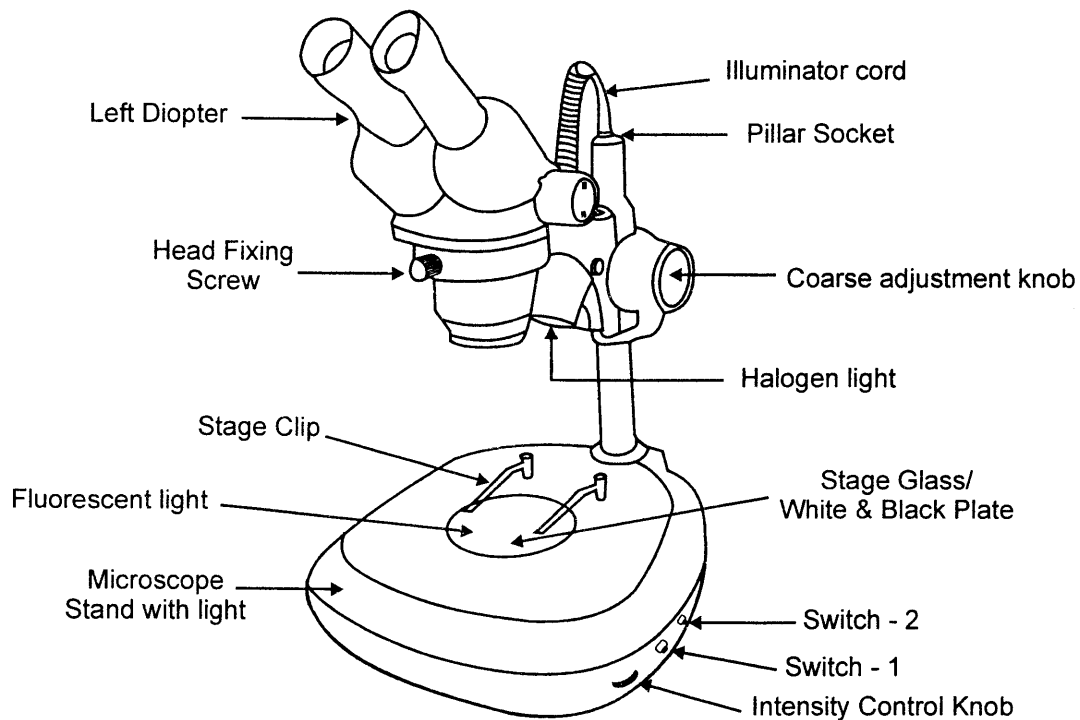
Incline the halogen bulb holder up and down to ensure that maximum light falls on the object specimen. Both the lights can be used, depending on nature of the object/ requirement.

Note: -(Use Stage Glass for Transmitted light)

e) Looking at the image through the right eyepiece on the specimen focus with coarse adjustment knob and adjust left diopter to ensure clarity of image in both the eyes.

Note: - Adjust inter pupillary distance.

After its use, clean the microscope stage glass and Black & White plate then cover the microscope with the dust cover provided.



MS 213/MS 224

Magnus Analytics

A-5, Mohan Cooperative Industrial Estate, New Delhi-110044

Ph. 91-11-30886743, 30886744, 30886764

email: sales@magnusanalytics.com

website: www.magnusanalytics.com