



**ken-a-vision**<sup>®</sup>  
KNOWLEDGE THROUGH VISION

# **The Professor by Ken-A-Vision**

Instruction Manual

ESH101

ESH111



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## Introduction

Thank you for purchasing The Professor. This compound microscope is specifically designed to have all the components of an adult microscope, but have the simplicity for elementary users to view microscopic specimens and objects under our easy to view, high-quality objective lenses that will magnify 40-400 times. The Professor microscope uses upper (incident) and lower (transmitted) LED lighting to keep your specimen cool. Its compact size, rugged plastic construction, battery power, and all-glass optics make The Professor ideal for use in the classroom or in the field.

## Packing Contents



Instruction Manual



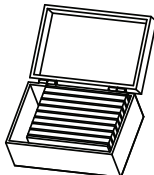
Warranty Sheet



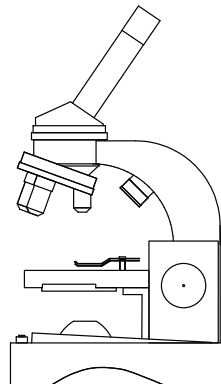
Microscope Cover



3 AA Batteries



Slide box with  
5 prepared slides  
& 5 blank slides



The Professor

## Microscope Set-Up Guide

The Professor compound microscope can be set up in a matter of minutes. To get the most out of this amazing teaching tool, follow these step-by-step directions:

1. After unpacking the box, remove The Professor microscope from the protective plastic bag and remove the protective coverings from the objective lenses and the eyepiece.
2. Place the microscope on a flat, firm surface.
3. Check the coarse focus knob on either side of the main body support. The coarse focus knobs should turn easily.

**NOTE:** The stage should move freely up and down the main body support when focusing. When you release the knob, the stage should remain stationary, and not slide down the post on its own.

4. Turn the microscope upside down and open the bottom base plate.
5. Insert three (3) AA batteries in the +/- direction as indicated on the microscope.
6. Insert the base plate into the notches and push to close.
7. When not in use, place the protective cover over the microscope to protect it from dust.

# Specifications

Head	Eyepiece	1-WF10x eyepiece with pointer; all fixed to avoid loss and damage
	Eyepiece Tubes	1
	Monocular with 45° incline	45° Angle head with 1 eyepiece - comfortable for student viewing
Frame	High Impact Plastic	
	<b>Illumination</b>	Ken-A-Vision LED cool lighting source with very long life (12,000+ hours), on/off button
	<b>Power</b>	3 - AA Batteries
Optics	Nose Piece	3 hole nose piece with 3 position action stop, 360° full rotation
	Objectives	4x, 10x, 40x5
Stage	Fixed Plain Stage with Side Clips	
	Focus	One knob focus for both fine and coarse
Packing	Boxing	Two inner cartons in one outer carton
	Protective Cover	Durable Clear Dust cover with KAV logo
	10 pack of slides	1 plastic box; 5 prepared slides and 5 blank slides
	Weights and Dims	3lbs / 1.4kgs 15" length x 11" width x 7" height 38cm length x 28cm width x 18cm height
Certificates	Patents	Multiple Patents Pending
	Quality Certificates	ISO:9001—2000
	Local Certificates	CE, CSA, RoHS
	Warranty Guarantee	10 Years against manufacturing faults

## Troubleshooting

This section provides many useful tips on how to solve common problems while setting up or using the The Professor compound microscope:

I can't see an image. I only see a partial image.

- Check to see if you need new AA batteries.
- Check to see if the LED lights are turned on by pushing the light button to the right or left on the base.

**NOTE:** Switch the button right and the illuminator (lower) light will turn on to view a standard microscope slide. Switch the button left and the upper stage light will turn on to view macro (large) and opaque specimens.

- Check to see if the objective lens is clicked into place.
- Turn the disc diaphragm, located underneath the stage, to adjust the amount of light for viewing the specimen.

It is difficult to get the image in focus.

- Adjust the coarse focus knobs slowly.
- Check to see if there has been damage to the objective lenses or eyepiece. If the lenses/eyepiece are dirty, use lens paper and distilled water to rub gently to clean

**NOTE:** Never rub the lenses/eyepiece when it is dry. This can cause static charge that will attract dirt.



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