

## ALCRON POCKET MICROSCOPE

ALCRON is an illuminated 30X hand-held compound microscope especially designed for an accurate observation of minute details too small to see with the naked eye. Unique integration of built-in illumination and easy focusing system offer you further conveniences and comfort.

### OPERATION PROCEDURE:

Turn ON the Switch for illumination, and then view the Object through the eyepiece with the Front Cover right on the Object. Adjust Focus Knob as needed.

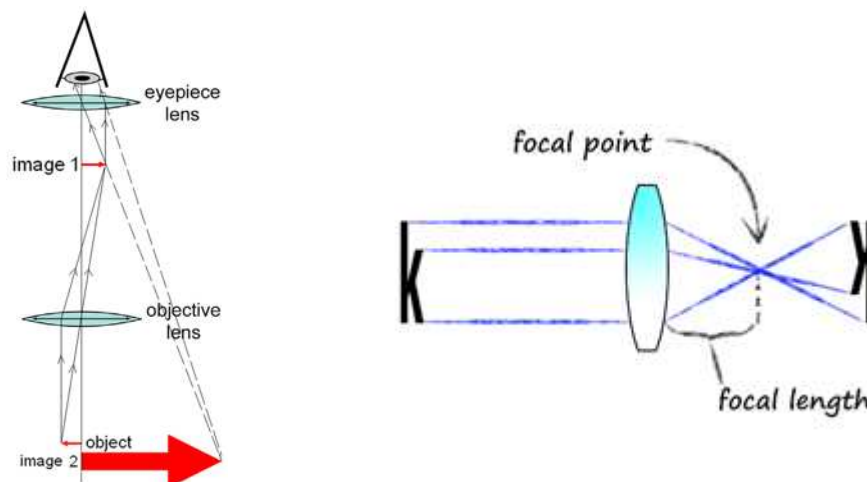


### INVERTING IMAGES

Inverted images are a normal characteristic of ALCRON microscopes. ALCRON is a compound microscope which uses a lens close to the object being viewed to collect light (called the objective lens) which focuses a real image of the object inside the microscope. That image is then magnified by a second lens (called the eyepiece) that gives the viewer an enlarged inverted virtual image of the object. The use of a compound objective / eyepiece combination allows for much higher magnification.

A simple magnifying glass can magnify an image by a relatively small factor – usually no more than 10X.

Compound microscopes are designed to provide greater magnification (ALCRON = 30X) than can be provided by a single lens. The microscope is designed to magnify objects that can be brought close to the device. The magnified image is inverted; however, this is generally not an issue for most applications.



**REPLACING BATTERIES: A**

To replace batteries, remove the Battery Compartment Cover by gently sliding it backward. Replace both batteries. (Designed battery: two AA batteries 1.5V)

**REPLACING BULB: B**

To replace bulb, remove the Front Cover and put the attached plastic tube on the bulb. Unscrew the bulb by turning it counter-clockwise. Insert new bulb. (Designed light bulb: 2.3V, 0.2amp, screw base)

