

# MACROSCOPE 45x INSTRUCTIONS

## Focusing Instructions

The assembled MACROSCOPE 45 has two knurled focus adjustment knobs — one located at the top (eyepiece) and the other located on the close—up attachment. The focusing procedure is as follows:

1. Adjust the eyepiece focus knob (Top of Macroscope) until the reticle is as sharp as possible disregarding the image of the object.
2. After the reticle is sharp adjust the close—up focus knob (Bottom of Macroscope) until the image of the object is sharp.

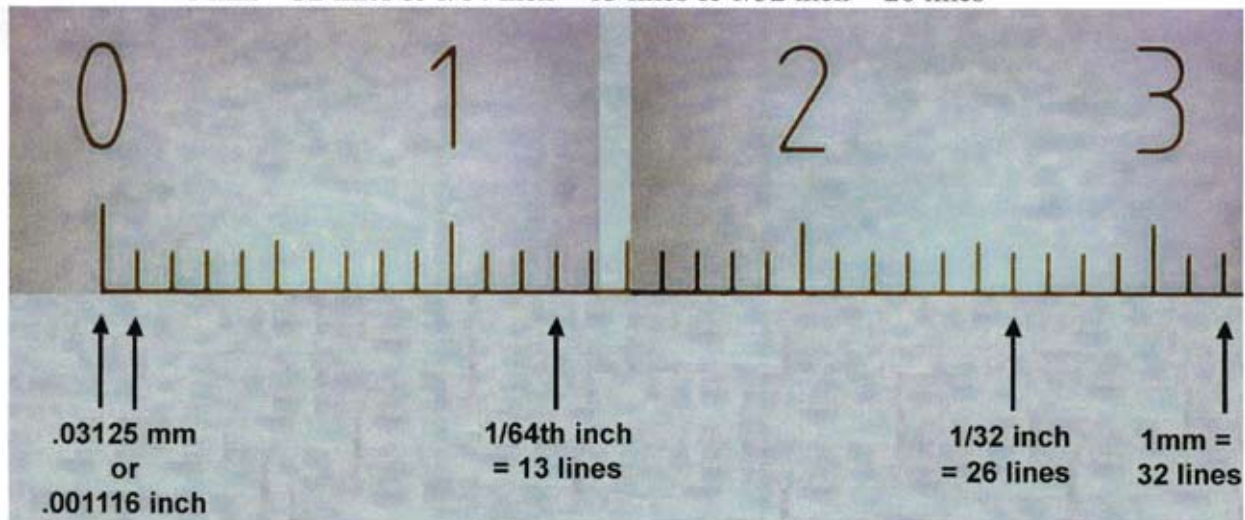
With a few moments of practice, the procedure will become easier then reading these instructions.

## Measuring size of objects

The Macroscope 45X comes with a precise measuring reticle that also allows you determine the size of an object under the Macroscope with the measuring reticle. Each line is a function of size, not measurement.

**Please use the following conversion formula for the size of an object:**

Each line on scale = .03125 mm or .001116 inch  
1 mm = 32 lines & 1/64 inch = 13 lines & 1/32 inch = 26 lines



# MACROSCOPE portable microscopes

MACROSCOPE portable microscopes are designed to fill the need for superior image quality in simple, cost effective configurations for application in research, production,



quality control or wherever superior image quality is essential. MACROSCOPE portable microscopes represent a significant departure from current day trends towards more sophistication and more elaborate features. Instead, they offer a simple, basic design and an ease of use not found in today's laboratory microscopes but without compromising optical or mechanical quality. MACROSCOPE 25X, MACROSCOPE 45X and MACROSCOPE

60X Power Unit. All three units produce images superior to most laboratory instruments in resolution, contrast, brightness and field of view but at only a fraction of the cost.

MACROSCOPE 25 is a fixed magnification unit that provides 25X magnification over a field of view measuring approximately 6mm (1/4 inch). It incorporates a measuring reticle providing precise measurements. The 25X Macroscopic is ideal for insect identification in turfgrass environments.

The MACROSCOPE 45X and 60X is a fixed magnification unit that is equivalent in performance to instruments costing thousands of dollars but is much quicker and easier to use. The 45X and 60X Macroscopic is ideal for disease diagnosis on turfgrass plants.

A by-product of the simpler mechanical design is portability. Both units can be used not only in the field but also for in-place observation of specific portions of large or immovable objects such as, a bridge girder, an aircraft wing or cement structure, etc., without the need for destructive sampling for laboratory analysis.

Applications for both units are diversified and numerous. Archeology, botany, entomology, forensics, geology, horticulture, numismatics and philately, quality control and textiles are just a few of the disciplines that can benefit from the use of MACROSCOPE portable microscopes.