

## 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.

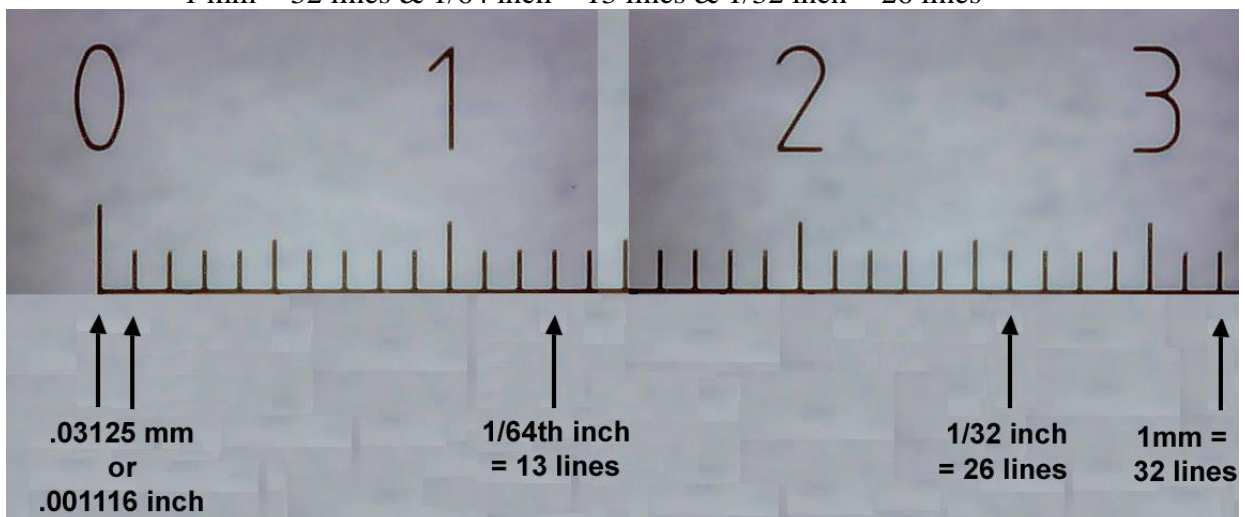
### Measuring Size of Objects

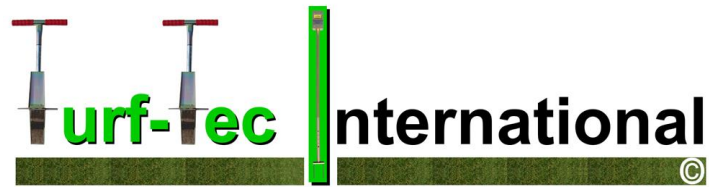
The Macroscope 45X comes with a precise measuring reticle that also allows you determine the size of an object under the Macroscope with the measuring reticle. Each line is a function of size, not measurement.

**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



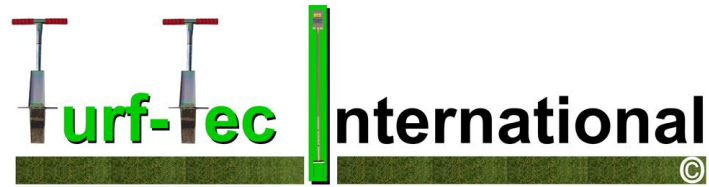
60X Power Unit. All three units produce images superior to most laboratory instruments in resolution, contrast, brightness and field of view but at only a fraction of the cost.

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.



***Macroscopic Models and Accessories***

<p><b>MACR251-L - Macroscopic 25X</b></p>	<p><b>MACR451-L - Macroscopic 45X</b></p>	<p><b>MACR601-L - Macroscopic 60X</b></p>	<p><b>MACCCA-L Macroscopic Computer Adaptor</b></p>
			
<p><b>MACRCA-L - Macro-Photo Adapter - Camera Attachment</b></p>	<p><b>MACRLP-L Macro-Light Pen Attachment</b></p>	<p><b>MACRLT-L Macroscopic Light Table</b></p>	<p><b>All Macroscopic units come with hard plastic protective case</b></p>
			

**LIMITED WARRANTY OF TURF-TEC INTERNATIONAL PRODUCTS**

Turfgrass Products Corporation - dba - Turf-Tec International ("Seller") warrants to the final purchaser, that all Turf-Tec International tools will be free from defects in material or workmanship for a period of one year from date of purchase. SELLER'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or improperly repaired by persons other than Turf-Tec International. To make a claim under this Limited Warranty, you must return the complete tool, transportation prepaid, to Turf-Tec International after contacting Turf-Tec International and receiving a return authorization number. Please include a dated proof of purchase with your tool.

ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT.

**Hold Harmless Agreement**

The seller shall protect, defend, indemnify and hold the purchaser and their respective assigns and their attorneys, accountants, employees, officers and directors harmless from and against all losses, costs, liabilities, claims, damages and expenses of every kind and character, as incurred, resulting from or relating to or arising out of the inaccuracy of results, injury of user, injury of sports participant, turfgrass loss, warranty, covenant or any agreement made by the seller in this agreement.