

TVM-03

Traveling Microscope

Introduction

The bed is of a heavy casting, thoroughly aged and machined, is fitted with leveling screws. On the dovetailed guide ways slide the carriage which can be clamped at any position by means of a thumbscrew. A sliding carriage slides along a gunmetal Vertical pillar fitted on the horizontal carriage. The slow motion guide bars are made of sturdy material and the motion is very smooth. For reading convenience, screw gauge arrangement is provided with a large dial.

Microscope Tube

inclinable in any angle. True vertical and horizontal positions marked focusing.

Guide Ways

The guide ways over which slides the carriage is made of gunmetal and this makes the instrument Rust Proof, because this is the part which is directly exposed to the weather.

Scale and Verniers

Made of lifetime Stainless Steel.

Optics

True achromatic objective with 7.5 cm. focusing distance from object 10X Ramsden Eyepiece with fine cross wire is provided.

Scale

20 cm. Horizontally, 15 cm. Vertically and 6 cm Lateral.

Scale and Verniers

- (i) horizontal scale : 20cm divided at 1mm interval (Screw gauge dial 100 divisions with a least count of 0.01 mm)
- (ii) Vertical scale : 15cm divided at 1mm interval
- (iii) Lateral scale : 6cm divided at 1mm interval

Scale and Verniers

Horizontal scale : 0.001 cm.

Lateral Scale : 0.001 cm.

Vertical scale : 0.001 cm.

