



Nomenclature

- A: Eyepiece
- B: Focus Adjustment
- C: Micrometer Thimble
- D: Main Body
- E: Foot Plate
- F: Clamp Screw
- G: Optical/Micrometer Assembly

Specification

For accurately measuring small component details.
Useful for measuring Brinell hardness test indentation dimensions.
Magnification: 40X
Field of view: 4.5mm
Measuring range: 3mm
Micrometer graduated: .005mm
One revolution of the Micrometer Thimble = 0.5mm

Operating Instructions

Place Foot Plate (E) of Microscope onto surface of part to be measured
Release Clamp Screw (F)
Rotate Optical/Micrometer Assembly (G) in Main Body (D) to achieve best position for the light cut out and operation of the Micrometer Thimble (C) and clamp in place.
View surface of part through Eyepiece (A)
Adjust focus by revolving Focus Adjustment (B) until the surface of the part and the grid lines of the Microscope are clear.
Rotate the Micrometer Thimble (C) clockwise whilst looking through the Eyepiece until the vertical cross line is over the zero line of the horizontal scale. The Zero on the Micrometer Thimble should now line up with the Datum Line on the Micrometer.
Move the Microscope Foot Plate across the surface of the part to align the vertical cross line over one end of the image to be measured.
Rotate the Micrometer Thimble (C) to move the vertical cross line to the other side of the image to be measured
Read the Micrometer Thimble to obtain the measured result