

Portable Multipurpose Inspection Microscope



DESCRIPTION

Vaiseshika introduces this new Versatile Field Microscope with multiple examination facilities. Microscopic observation of samples with the provision of localized illumination renders this microscope an excellent diagnostic tool in the hand of design and development engineers in different industries and national laboratories. A smooth rack and pinion arrangement is provided to obtain vertical up and down movement of the microscope objective and eye-piece.

This microscope can provide a magnification of 50X or 100X (depending upon the combination of eye piece and objective). A 10X micrometer eye-piece is also provided as an accessory with the microscope. The micrometer eye piece is graduated along X - Axis and provides a least count of 0.01 cm in measurement.

APPLICATIONS

This microscope can be used for metrological measurements using the micrometer eye piece. **It can be comfortably used for observing colour bar patterns in television industry**, printed circuit board solder joints, drills and holes in mechanical workshops. Inspection of diesel engine and petrol engine nozzle, PCB cracks and fibre examinations **in textile industry** are amongst the large number of applications for this microscope.

High Power Stereo Microscope



FEATURES

- 60x and 30x magnification
- Full stereo effect
- True erect image
- Binocular head with adjustment facility for interpupillary distance 45 mm to 90 mm
- Useful for field work

DESCRIPTION

Stereo Microscope Type 7003 provides the viewer the full stereoscopic effect and is having the magnification option range from 30x to 60x. The instrument is ideal for critical depth perception, inspection of components /parts like gears, drill-holes, burrs, track, integrated circuits, transistors, resistors or any other component. Features 45° viewing binocular head with diopter adjustable right eye-piece. Adequate external illumination lamp facility is provided for high power viewing using halogen bulb.

The interpupillary distance adjustment of the eyepieces enables parallax free viewing. Two arm rests are provided, attachable to working stage. This facility is very useful while working for longer duration.

TECHNICAL SPECIFICATION

Magnification	30x and 60x
Objectives	Built-in 2x and 4x sliding type
Eye-pieces	Wide field 15x pair
Working distance	30x - 75mm 60x - 45mm
Movement	Rack and pinion arrangement
Body	With hand grip on stand, may be removed from stand. Stage equipped with 100 mm interchangeable glass or milky plate. Hand rests for steady working.

APPLICATIONS

- ★ Cutting tools angle examination.
- ★ PCB tracks etching examination.
- ★ Microscopic dust particles detection in sensitive areas.
- ★ Diesel engine and petrol engine fuel nozzle examination.
- ★ Hospitals and biological laboratories.
- ★ Printed circuit board examination.
- ★ Drilled hole and burr examination.
- ★ Screw thread examination.
- ★ Forensic science.
- ★ Textile industry for fibres examination.
- ★ Medical colleges.