

ZOOM STEREOSCOPIC MICROSCOPES : SERIES 7004

7004B



DESCRIPTION :

Zoom Stereoscopic Microscope **7004B** for research institutes & industries. The microscope offers full stereoscopic view with continuously variable zoom effect. Sturdy and stable base with built in illumination system serves dual purpose of microscope base and specimen stage.

Vaiseshika Zoom Stereoscopic Microscope is fully synchronized with Image Capturing Device (Camera) interface with computer. Windows based measurement software has now made possible to analyze & measure whatever you see through microscope.

FEATURES :

- Built-in-halogen Light and incident light arrangement
- Fluorescent / LED Ring Light for daylight illumination
- Continuous zoom effect
- Parfocal zoom objectives
- Trinocular head with C Mount Camera attachment
- Eye diopters adjustment of the viewer
- Full interface with PC through CMOS/CCD Camera
- Complete windows based measurement software

BINOCULAR VS TRINOCULAR HEAD : UTILITY AND APPLICATION



BINOCULAR

Binocular Head having **two tubes** for vision through both eyes. It does not have facility for camera port.



TRINOCULAR

Trinocular Head having **three tubes** for vision through both eyes, as well as facility for camera port.

GENERAL SPECIFICATION:	TYPE: 7004-B
Microscope	Stereozoom Microscope
Microscope Base	Standard Base with Illumination
Stand	Universal Stand with Sturdy Base and Dual Swivel Feature
Swivel Range	180° swivel mechanism for bonder arm independent of horizontal arm, 360° swivel mechanism for horizontal arm around vertical column
Total length of horizontal arm & bonder arm	520mm
Horizontal arm adjustment range	260mm
Vertical column height	480mm
Vertical height adjustment range	330mm
Base Dimensions	250mm X 220mm X 34mm stable with microscope body installed
Illumination system	LED Ring Light with variable power to change intensity
Tube Inclination Angle	45°
Working Distance	115mm
Auxiliary Objective Lens Required	0.5X, 0.75X & 1.5X
Optics	Greenough Optical System with 10° convergence angle for image flatness and depth of focus
Standard Magnification	7x to 45x continuously variable with standard EP & Zoom Objective
Zoom Objective	0.7x to 4.5x continuously variable
Zoom Ratio	6.5:1
Standard Eyepiece	Wide Field 10x
Field of View	Lower Magnification: 32.8mm, Higher Magnification: 4.8mm
Operating voltage	220/240V AC, 50 Hz, 1Φ
Operating Temperature	25° ± 10°C
Accessories	Instruction Manual, Cables, Dust Cover
ESD Compatibility	a) The Eyepiece, Microscope body (with zoom adjustment), Bonder arm (with focus adjustment) & stand shall be ESD Compatible b) Provision to connect the ground lead wire to the stand base to be provided

Vaiseshika®

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