



Brightfield Metallographic Microscope

Polarized Light Illumination | X-Y Stage Control | Multiple Camera Ports

SPECIFICATION	IM-3000B DESCRIPTION
Illumination Techniques	Brightfield and Polarized Light
Objectives	Infinite Plan Achromatic 5X/0.12 Infinite Plan Achromatic 10X/0.25 Infinite Plan Achromatic 20X/0.40 Infinite Plan Achromatic 50X/0.80 Infinite Plan Achromatic 100X/0.90
Eyepiece	Wide field WF 10X (field no. 22 mm)
Trinocular Head	Trinocular, 45 degree inclination ratio Observation: 80%, photo 20%
Focusing System	Coaxial coarse/fine focus (2 micron) Travel (stage to focal plane) up 1, down 7(mm)
Nosepiece	Quintuple
Mechanical Stage	X-Y stage Travel range: 1.6 x 1.6-in(40 x 40mm) Size: 8.9 x 7-in (226 x 178 mm)
Illumination	12V/50W Halogen Lamp
Color Filters	Grey, Blue, Green color filters & ground glass
Electrical Specification	110V/220V (50/60 Hz) (single phase)

2 year warranty
Limited warranty



Aluminum nitride coated ceramic, 400X, Brightfield



White iron, etch 2% Nital, 400X (BF)

Brightfield Illumination & Versatile Range of Objectives

Provides clear and bright images by illuminating the sample from below, making it ideal for examining the microstructure of a wide range of materials. 5X, 10X, 20X, 50X, and 100X magnifications to suit different observation needs, from low to high power, ensuring detailed and precise analysis.

High Quality Digital Camera Port

Allows for easy integration of a digital camera, enabling the capture of high-resolution images and facilitating digital documentation and analysis.

Binocular Eyepiece Tubes

Provides comfortable viewing with both eyes, reducing eye strain during prolonged use and enhancing the overall user experience with adjustable interpupillary distance.



IM-3000B Infinite Plan Achromatic Objectives



Machinery directive 2006/42/EC
RoHS Directive 2011/65/EU



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