

Technical Specification

- Optical System** Plan Infinite Strain -Free Optical System with multi -layer coatings, uniformly centered, interchangeable, parfocal, and treated with anti -fungal coatings for enhanced durability and performance.
- Objectives** Plan Achromatic Objectives (Anti -Fungal Treated):
 - 4X / N.A. 0.10 / W.D. 18.5 mm
 - 10X / N.A. 0.25 / W.D. 10.6 mm
 - 20X / N.A. 0.45 / W.D. 2.4 mm
 - 40X (Spring Loaded) / N.A. 0.65 / W.D. 0.6 mm
 - 100X Oil (Spring Loaded) / N.A. 1.25 / W.D. 0.13 mm
- Eyeiece** Wide field eyepiece WH 10x (FN 22 mm), paired with diopter adjustment and height calibration.
- Viewing Head** Binocular observation tube, 30° inclined and 360° rotatable. Includes seal and signature support for anti -reflection optical coating.
- Mechanical Stage** Low drive co -axial mechanical stage, size approx. 125mm x 145mm (+/-5mm), with X-Y travel range of 50mm x 76mm (+/- 5mm). Includes slide holder and position vernier scale.
- Focusing System** Co-axial coarse and fine focus system with tension adjustment. Coarse focus range: 20 mm; fine focus resolution: 0.2 µm per rotation.
- Nosepiece** Quintuple (5 -hole) inward revolving nosepiece with precision ball -bearing mechanism and positive click -stop for smooth objective changes.
- Illumination** Built-in 3W LED illumination with pre -centered light source. Includes battery backup, high brightness (>30,000 hours), efficient condenser lens, and SMPS -based universal power supply (100 -240V AC, 50/60 Hz).
- Condenser** Abbe condenser, N.A. 1.25, with focusable rack & pinion mechanism. Features a continuously variable iris diaphragm and removable blue filter.
- Body Construction** Durable aluminum die -cast hexagonal base body with high -quality ball -bearing movement and wear -resistant dye coating.
- Optional Accessories** Phase Contrast Penta Head, Fluorescence Attachment, Camera Port Upgrade.

BINOCULAR MICROSCOPE

MODEL: BM-9bi



MICRO MEASURES & INSTRUMENTS

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