

BM - 3022

Binocular Microscope



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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► FEATURES:

- Comfortable observing with compensation free binocular head.
- With aspherical condenser & Koehler illumination, providing enough, even and high contrast illumination.
- Big operating space with nosepiece running on stainless steel ball bearing.
- Rectangular mechanical stage with comfortable operation with low position adjustable knobs.
- Overcoming illumination asymmetry at low magnification observation.
- Larger viewing area with extra wide field eye pieces

► Specifications:

- **Stand:** Antirust and antibacterial Robust Aluminium Die cast stand. With convenient location of focus controls with ball bearing and wire guide for smooth and precise manipulation.
- **Optical system:** Lead free semi optical glass and anti fungus coated.
- **Observation Head:** Binocular Tube inclined at 45° rotatable through 360° with Interpupillary distance of 54-75mm, F.O.V 20 mm and both sides Dioptric adjustments; dual interlock mechanism. Vacuum coated prism. AntiFungus Treated and anti reflection coated
- **Nose-piece:** fully Parfocal Quadruple/Quintuple revolving nose-piece ball bearing guide ways with proper click stops
- **Corrected Eye piece :** 10x18mm (pair ed) 5x Pair Anti-fungus & Anti-reflection coated
- **Mechanical Stage :** Soft feel Low drive Co-axial control for easy slide manipulation on both axes graduated mechanical rectangular stage size 135mm(W) X125mm(D). X/Y travel range 80mm X 50mm. Division: 0.1mm Low drive movement controls. (XY direction) Hard Coated surface for scratch resistance, resistant against routine usage abrasion and chemicals; two slide holders, stage upper limit stopper for protection, X-Y control: right-hand side, specimen holder with spring clips: left for smooth operation.
- **Objectives :** Plan EP series Achromatic objectives 4x (N.A. 0.10, W.D. 25mm), 10x (N.A. 0.25, W.D. 6.7mm), 20x (N.A. 0.4, W.D. 1.0 - 3.0mm), 40x (SL, N.A. 0.65, W.D. 0.6mm) and 100x (SL, Oil, N.A. 1.25, W.D. 0.17mm), antifungal, antireflection coated, PRECENTERED & PARFOCAL.

- **Condenser** : Sub stage Abbe condenser NA 1.25/1.20 with aspheric lens. Iris diaphragm with day light filter, antifungal & antireflection coated. Snap in blue filter Rack and Pinion movement on metal guides. Vertically movable and centerable.
- **Focusing Control** : Co-axial coarse and fine focusing on ball drive systems for smooth operation. Focusing Stroke(Z-axis): 13-15 mm. Fine adjustment 0.2mm/rotation with tension controlring. Ergonomically designed for easy grip, with tension controlring and auto focusing stop.
- **Illumination** : Electronic built in base illumination system fitted with a 3W LED illumination with intensity control regulator; uniform illumination to get proper image quality in centre and periphery. Life time of 60000 hrs.ON/OFF Switch & proper fuse holder built in transformer planoconcave reflector attachment for replaced with sustage illuminator assembly.
- **Electrical** : Universal input 140V – 240V AC, 50/60 Hz.
- **Standard Accessories** : Packed in Moulded Styrofoam Box, with Operation Manual, Cleaning kit, 100x Oil, Cloth and power cord, Dust Cover one spare fuse,day light mirror.

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Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

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