



Research Binocular Microscope with Infinity Plan Optics

Model : MEDILUX



Ergonomic designed for comfortable microscopy with compensation free **SIDE N TOP 30° (butter fly type)** observation head.

Rectangle double layer mechanical stage with comfortable operation & low position adjustable knobs.

Larger viewing area with extra field eye pieces.

B. L. Scientific Instruments Co.



ISO 13485 : 2012



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BODY :-

Ergonomic designed for comfortable microscopy, highly rigid, vibration Aluminum alloy casted frame Stable, strong, big & easy to carry. Corrosion proof, Durable textured acid resistant finish is fresh, vivid & also convenient to carry.

OPTICAL SYSTEM :-

High resolution infinity optical system for brilliant image contrast.

MAGNIFICATION RANGE :-

1500x

VIEWING BODIES :-

For comfortable & prolonged Microscopy SIDE N TOP 30° (butter fly type) inclined Binocular observation Head Anti fungus coated, Rota table to 360° with inter pupillary distance: 50-75mm, +5 diopter adjustable.

EYE PIECE: -

High Point Anti Fungus coated wide field eye piece 10x/22mm paired.

NOSE PIECE: -

Smooth revolving Quadruple Ball bearing loaded nosepiece with Rubber grip, positive stops for centered alignment of objectives.

OBJECTIVES: -

High Contrast DIN Infinity color corrected Plan series Achromatic objectives 4x (N.A. 0.10, W.D. 25mm), 10x (N.A. 0.25, W.D. 6.7mm), 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.

FOCUSING: -

Coaxial Coarse & fine Movement Coaxial system Coarse movement Minimum 15mm with novel four stage reduction gear System (ALL METALIC GEAR), slides smoothly on Ball Bearing Guide Ways which provides the highest Degree of sensitive more than two microns fine focusing reading to 0.002 free from back lash in operating the fine focusing of Optical System, with locking device to protect valuable slides & Tension control ring to adjust the tension on focusing knobs takes care of Lifelong problem of slipping of stage.

MECHANICAL STAGE: -

Scratch proof Ceramic coated Low drive Horizontal Double plate coaxial mechanical stage working on Ball Bearing Guide Ways of 150 x 140 mm with fine Venire graduations reading 0.1mm designed for double slides & detachable slide holders for X & Y movement 76mmx52mm of slides.

CONDENSER: -

Abbe condenser NA 1.25 with aspheric lens with Iris diaphragm built in swing out filter holder with Frosted white or blue filter, up-down movement through rack & pinion on stainless steel guides.

ILLUMINATION: -

Koehler Illumination To support the robust arm Heavy rectangular sturdy base with built in LED COOLED BRIGHT Illumination or Halogen Lamp any one (**with Field diaphragm**) on/off switch, continuously variable light intensity controlled regulator & quick change bulb provision. Suitable for 220V, 50 Hz, AC supply.

CERTIFICATIONS: -

BIS (ISI), ISO 9001, ISO 13485, Eu Ce

PACKING & ACCESSORIES:-

Microscope complete with Extra eye piece 5x, 10x or 15x (Any one pair), duster, cover, & instruction manual in Thermocal box or in wooden carrying case (optional).

UPGRADEABLE :-

This microscope can be upgradable in future with following (Optional) accessories.

Wooden carrying case, Trinocular Head, DIN Plan objectives 20x, 60x SL, WF 15x, WF 20x, Pointers & Micrometer Reticules, Phase contrast, Polarizing, LED Fluorescence and Dark Field attachments, Digital USB Cameras (1.3MP, 3MP, 5MP, 14MP) with in-built adaptors, Digital Cameras and DSLR Cameras with adaptors, Illumination System Halogen 6V 20W.