

bScope

HIGHLIGHTS

- Microscopes for research and laboratories
- Binocular and trinocular models
- HWF 10x/20 mm eyepieces
- Reversed ball-bearing quadruple or quintuple nosepiece with slot for polarization filter
- E-plan, E-plan IOS and Plan IOS objectives
- E-plan Phase, E-plan Phase IOS, Plan Phase IOS objectives
- Rackless integrated X-Y mechanical stage
- 3 W NeoLED™ adjustable illumination system
- Integrated carrying grip
- Cable Storage System
- 10 Years warranty



TECHNICAL SPECIFICATIONS

EYEPIECES

High wide field HWF 10x/20 mm secured eyepieces with 20 mm field of view

HEAD

- The bScope is equipped with a Siedentopf type head, 360° rotatable, with 30° inclined Ø 23.2 mm tubes
- Binocular and trinocular models are equipped with a diopter ± 5 adjustment on left eyepiece
- The interpupillary distance is adjustable between 48 to 76 mm
- The models equipped with plan infinity corrected PLI objectives have a unique swiveling system of the eyepiece tubes for ergonomic positioning of the eyepieces in a high and in a low position
- The trinocular head comes with a Ø 23.2 mm photo port, ensuring maximum flexibility. The prisms inside the heads are designed to minimize the light absorption for perfect digital imaging

NOSEPIECE

Revolving and reversed ball-bearing quadruple or quintuple nosepiece

OBJECTIVES

The state-of-the-art production techniques and multi layer coatings used for the manufacturing of the bScope objectives enables the bScope to be used for the most demanding applications. World class spherical aberration correction and modern CNC and assembly technology ensure the perfect centering of the objectives

- Brightfield models: E-Plan, E-plan IOS infinity corrected, Plan IOS infinity corrected 4x/0.10, 10x/0.25, 20x/0.40, S40x/0.65, S60x/0.85 and S100x/1.25 oil immersion objectives

- Phase contrast models: E-plan Phase, E-plan Phase IOS infinity corrected, Plan Phase IOS infinity corrected 10x/0.25, 20x/0.40, S40x/0.65 and S100x/1.25 oil immersion objectives

All S40x, S60x and S100x oil immersion objectives are spring loaded. All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

FOCUSING

Double coaxial, low-positioned coarse and fine adjustments with 180 graduations. Precision 1.11 µm, 200 µm per rotation, total travel approximately 19 mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustment is equipped with friction control

STAGE

The bScope is equipped with a scratch resistant 152/197 x 131 mm stage with integrated 75 x 36 mm X-Y rackless mechanical stage, Vernier scale, soft-close removable specimen holder

The rackless stage has no protruding parts, enables more smooth movements and is safer in use. Low-positioned X-Y control knobs prevent fatigue during long working sessions. The bScope can be equipped with a heating stage which can be set up to 50° Celsius by a PID temperature controller. Only available with newly purchased microscopes

CONDENSER FOR BRIGHTFIELD

The standard in height adjustable Abbe N.A. 1.25 condenser for brightfield comes with an iris diaphragm and swing-out filter holder



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