

bScope



Brand: Euromex

Product Code: AC004EM

Availability: 2 - 3 Days

Call for Price: +2 01000 6546

Short Description

The well-equipped microscopes of the bScope series are intensively used in secondary schools, universities, small and mid-sized laboratories and for veterinary applications.

Description

Versatile and evolutive!

The well-equipped microscopes of the bScope series are intensively used in secondary schools, universities, small and mid-sized laboratories and for veterinary applications. Apart from excellent ergonomical design, these robust and attractively priced microscopes are available in several configurations with HWF 10x/20 mm eyepieces and objectives for bright field and phase contrast

The design of the bScope is both ergonomic and evolutive. Height adjustable eyepieces and low stage controls minimize fatigue during long working sessions and therefore providing more comfort for microscopists. The robust and compact size of the bScope with its Cable Storage System allows more working space, safer operation and easy storage

MODELS	Binoculars	Trinoculars	HWF 10x/20mm eyepieces	Quadruples E-plan 4/10/S40 S100x	Quintuples E-plan 4/10/S40 S100x	Quintuples Plan IOS 4/10/S40 S100x	Köhler NeoLED™ D™	NeoLED™	Darkfield with dioid condenser	2-position swivel head	Rechargeable batteries
BS.1152?EPL/DF	•		•	•			•				0
BS.1153?EPL		•	•	•			•				0
BS.1152?EPL/DF	•		•	•			•	•			0
BS.1153?EPL		•	•	•			•	•			0

PH							
BS.115 •		•		•		•	0
2?EPL							
PHi							
BS.115	•	•		•		•	0
3?EPL							
PHi							
BS.115 •		•		•	•	•	0
2?PLP							
Hi							
BS.115	•	•		•	•	•	0
3?PLP							
Hi							

o = optional

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

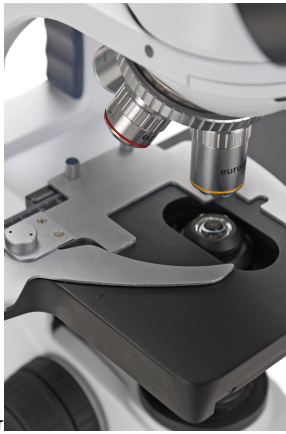
Revolving and reversed ball-bearing quadruple or quintuple nosepiece

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

ZERNIKE CONDENSER FOR PHASE CONTRAST

The in height adjustable Zernike NA. 1.25 phase contrast disc condenser comes with phase annuli for 10/20/S40x and S100x phase contrast objectives, an iris diaphragm, a swing-out filter holder and also a BF position for bright field contrast. Phase contrast

objectives in either EPL-PH, EPL-PHi or PL-PHi phase contrast versions. Supplied with alignment telescope and green filter

CONDENSER WITH SLIDER(S) FOR PHASE CONTRAST

The in height adjustable NA. 1.25 simple phase contrast condenser has a free slot for either a slider for 10/S40x phase contrast objectives OR a slider for 20/S100x phase contrast objectives. The condenser has an iris diaphragm and filter holder. The condenser also includes a BF position for bright field contrast. Phase contrast objectives in either EPL-PH, EPL-PHi or PL-PHi versions. Supplied with alignment telescope and green filter

POLARISATION

The bScope has an integrated slot above the nosepiece for an optional polarization filter

ILLUMINATION

The microscopes of the bScope are equipped with a 3 W NeoLED adjustable illumination system for increased light output and a 100-240 Vac integrated power supply. On request, rechargeable batteries are also available

NEOLED™ ILLUMINATION

The 3 W adjustable Köhler NeoLED diascope illumination is powered by an internal 100-240 V power supply making it suitable for worldwide use. The innovative NeoLED design offers larger apertures, allowing the optical system of the bScope microscope to produce images at higher resolutions, very close to the theoretical diffraction limit of the optics. Other benefits of the NeoLED is the low energy consumption, no heating and a long operating lifetime



KÖHLER ILLUMINATION

A Köhler illumination ensures for all infinity corrected IOS models the highest possible

contrast and the maximum achievable resolving power. It generates a uniform illumination of the sample and eliminates all interference from dust on lenses and side glare of the light source

The Köhler illumination is optional for non-IOS models

CORDLESS USE

The optional rechargeable batteries turn the bScope into a cordless system



CSS – CABLE STORAGE SYSTEM

Allows users to easily stow away excess cable length into the back of the instrument during operation and to roll up the power cable for easy storage

CARRYING GRIP

The integrated carrying grip at the back of the microscope ensures safe transportation of the microscope

ANTI-THEFT SLOT

At the back of the microscope a Kensington Security Slot is placed, which can be used to secure the instrument from theft

PACKAGE CONTENT

Smart Styrofoam packaging ensures a low environmental footprint while maintaining maximum safety during transport. Supplied with power cord, dust cover, tools, a spare fuse, white filter, user manual and 5 ml immersion oil.

Phase contrast models are supplied with green filter and alignment telescope. An optional aluminum case can be supplied



Product Gallery



