

bScope® Microscope Series

Item# EBS-1153-PLPHI

Eyepieces

- High Widefield HWF10X/20mm

Head

- Trinocular head equipped with a Siedentopf type head, 360° rotatable and 30° inclined, ø23.2mm tubes, +/- 5mm diopter adjustment on left eyepiece. Adjustable interpupillary distance between 48 to 76mm.
- With a trinocular ø23.2mm tube ensuring maximum flexibility and a fixed light path beamsplitter (20:80) to generate an erect image.

Nosepiece

- Reversed quintuple (5) nosepiece on ball bearings.

Objectives

- Plan Phase infinity corrected IOS
- PLPHI 10x/0.25 WD 5.0mm
- PLPHI 20x/0.40 WD 8.80mm
- PLPHI 40x/0.65 spring. WD 0.66mm
- PLPHI 100x/1.25 spring oil immersion. WD 0.36mm
- **Total magnification: 1000x**

All optics are anti-fungus treated and anti-reflection coated for maximum light throughput.

Stage

- The bScope® is equipped with a scratch-resistant 131x152/197mm stage with integrated 75x36mm 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.

Condenser for Phase Contrast

- The in height adjustable Zernike N.A. 1.25 phase contrast disc condenser comes with phase annuli for 10/20/S40x and S100x phase contrast objectives, an iris diaphragm, a filter holder and BF position for bright field contrast. Supplied with alignment telescope and green filter.



Focusing

- Double coaxial, low-positioned coarse and fine adjustments, 180 graduations, precision 1.1µm, 200µm per rotation, total travel range is approximately 19mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustment is equipped with friction control.

Illumination

- The 3W adjustable Köhler NeoLED™ transmitted illumination is powered by an internal 100-240V 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. Other benefits of the NeoLED™ is the low energy consumption, no heating and 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. Generates a uniform illumination of the sample and eliminates all interference from dust on lenses and side glare of the light source.

CSS – Cable Storage System

- bScope® allows users to easily store 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.

APL (Antimicrobial Protection Layer)

- APL is a revolutionary paint treatment applied to the most critical parts of our products. A microscope with APL will help restrict the growth of micro-organisms, including bacteria and mold.

Package Contents

- 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 5ml immersion oil.