

iScope® Microscope Series

Item# EIS-1153-PLPHI

Eyepieces

- Extended plan widefield EWF10x/22mm eyepieces with 22mm field of view and adjustable diopter on both eyepieces tube for infinity corrected IOS Plan Phase Contrast system.

Head

- Trinocular equipped with a Siedentopf type head, 360° rotatable. 30° inclined, ø30mm tubes and +/-5mm diopter adjustment. The interpupillary distance is adjustable between 48 to 76mm. Optical path selector (100:0 / 50:50)

Nosepiece

- Reversed quintuple (5) nosepiece on ball bearings.

Objectives

- Plan Phase Contrast IOS infinite
- PLPHI 10x/0.25 WD 10.2mm
- PLPHI 20x/0.40 WD 5.1mm
- PLPHI 40x/0.65 spring WD 0.5mm (spring)
- PLPHI 100x/1.25 spring WD 0.13mm (spring)
- Total magnification: 1000x**

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

Stage

- 187/230x140mm rackless stage equipped with double slide holder and integrated 79x52mm X-Y mechanical stage. The iScope® rackless stage has no protruding parts, enables more smooth movements and is safer.

Condenser For Zernike Phase Contrast

- Height adjustable Zernike NA. 1.25 phase contrast disc condenser with plan phase 10/20/S40x and S100x objectives and dry **darkfield stop** position up to 400x magnification. Supplied with alignment telescope and green filter.

Focusing

- Coaxial coarse and fine adjustments, 200 graduations, 1 micron per graduation, 200 microns per rotation, total travel range is approximately 24mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustment is equipped with friction control.



Illumination

- Intensity adjustable 3W Köhler NeoLED™ illumination with internal 100-240VAC power supply. The innovative NeoLED™ design offer larger apertures allowing the optical system of the iScope® to produce images at higher resolutions. Other benefits of NeoLED™ are low energy consumption, no heating and long operating lifetime. The Köhler settings provide homogeneous illumination and high contrast.

iCare Sensor

- The unique iCare sensor is developed to avoid unnecessary loss of energy. The illumination of the microscope automatically switches off shortly after microscopists step away from their position.

CSS – Cable Storage System

- iScope® allows users to easily insert the power cable into the back of the instrument, which enables easy storage. The integrated carrying grip at the back of the microscope ensures safe transportation of the microscope.

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

- Supplied with power cord, dust cover, spare fuse, 5ml immersion oil bottle and user manual. All packed in polystyrene boxes.