

## Features:

Widefield 10x/22 mm high eyepoint eyepieces, anti-fungus coated, superior optical parts to guarantee a bright and clear, crisp and real colour image. The flexible and foldable eyecaps complete it all.

Inverted quadruple nosepiece, with DIN high-resolution Infinity ePlan objectives and rubber ring for grip. You can easily check which objective is in use and change magnifications without other objectives getting in the way.

A large rackless stage with low positioned, high accurate, XY coaxial controlled mechanical stage and vernier, dual slides specimen holder. The fine-tuned mechanical stage for optimum positioning of the slide.

Ergonomic positioned, bilateral, coaxial fine and coarse focusing mechanism. For effortless and accurate focusing.

The new generation 3 Watt LED, stable and flicker-free, low energy-consuming. With daylight light output, for optimum comfort to the eyes. Lighthouse is equipped with an iris diaphragm

The microscope offers standard 3 types of electrical use in one microscope: 1. 100~230 V connection through the included power cable 2. Recharges automatically while connected to the electrical power. Rechargeable batteries available as an accessory (article number 29554; rechargeable battery AA, pack of three) or 3. Standard non-rechargeable batteries, type AA, 1,5 V, 3 pieces.

The main power switch is located at the back and light intensity control knob is located at the side. All for easy operational use.

## Technical specifications:

Eyepieces: WFP 10x/22 mm with foldable eyecups

Tube: 45° inclined, 160 mm tube length, with a grub screw to lock in the eyepiece

Head: Siedentopf type binocular, 360° rotatable, with lock bolt and milled edged screw

Nosepiece: quintuple, ball bearing type with rubber grip

Objectives: DIN ePlan High Resolution Infinity, 4x (N.A. 0.10), 10x (N.A. 0.25), 40x (N.A. 0.65), 100x (N.A. 1.25) oil immersion. The 40x and 100x objectives are spring loaded (for slide protection).

Focusing: coaxial coarse and fine adjustment on both sides. Fine adjustment is supplied with a scale division. Each division equals 0.0015 mm (0.30 mm/rotation).

Stage: Rackless, 144 x 200 mm, suitable for two slides at one time. Equipped with integrated movable specimen holder with ergonomically placed coaxial controls for accurate X-Y movement. Range 77 x 32 mm.

Condenser: Abbe condenser (N.A. 1.25) in holder, with centering screws. Adjustable height via rack and pinion. With iris diaphragm (0 - 100% adjustable).

Illumination: new generation LED (3 Watt) with Köhler iris diaphragm. Light intensity is continuously variable by means of a potentiometer. Intensity comparable with 30 W halogen.

Life span LED: approx. 50,000 hours

Magnification: 40x, 100x, 400x and 1000x. Optional to be extended to 2000x.

Voltage: 90 ~ 240 V/50 Hz. The electric circuit is protected by a fuse system (or by optional batteries).

Detachable power cord