

Phase Contrast Microscope 4x - KERN OBL 146

Item no. KER-OBL 146

Manufacturer Kern

EAN 4045761267794

The KERN OBL 146 is a binocular phase-contrast microscope with infinity optics and Köhler illumination. Objectives 4x / 100x / PH 10x / PH 40x reach up to 1000x with the 10x eyepiece. Continuously dimmable 3 W LED and a large mechanical stage.

TECHNICAL DATA

Country of Manufacture	China
HS-Code	90118000
Weight	9 kg



DESCRIPTION

The KERN OBL 146 is a binocular phase-contrast microscope configured at the factory to reveal translucent, unstained specimens such as live mammalian cells, bacteria and tissue in high contrast. A height-focusable, pre-centred phase-contrast condenser together with the PH 10x and PH 40x objectives makes fine structures visible without staining. The infinity optics cover 40x to 1000x with the 10x eyepiece.

BENEFITS

- **Contrast without staining:** objective set 4x / 100x / PH 10x / PH 40x with matched phase-contrast condenser
- **Simplified Köhler illumination:** height-focusable, pre-centred condenser with field diaphragm
- **Continuously dimmable 3 W LED:** constant colour temperature at any brightness
- **Two slides at once:** large mechanical stage with coaxial coarse and fine focus on both sides
- **Low-fatigue viewing:** binocular tube inclined 30 degrees, interpupillary distance 50 - 75 mm
- **Modular upgrades:** polarisation and further phase-contrast units available as KERN accessories

TECHNICAL DATA

- **Optical system:** Infinity
- **Objective class:** Infinity E-Plan / Plan
- **Objectives:** 4x / 100x / PH 10x / PH 40x
- **Tube:** Binokular

- **Tube inclination:** 30°
- **Eyepiece:** 10x
- **Eyepiece field of view:** 20 mm
- **Interpupillary distance:** 50 mm - 75 mm
- **Nosepiece positions:** 4
- **Transmitted-light illumination:** LED, 3W
- **Power supply:** Netzteil (100 - 240 V)
- **Net weight:** 6 kg

APPLICATIONS

Typical fields of use include haematology, urology, gynaecology, dermatology, pathology, microbiology and parasitology, immunology, wastewater treatment plants, oncology, entomology, veterinary practices, water analysis and breweries.

COMPLIANCE AND ORIGIN

EAN 4045761267794. Customs tariff number 90118000. Country of origin China.