

Transmitted Light Microscope 4x - KERN OBL 137

Item no. KER-OBL 137

Manufacturer Kern

EAN 4045761267770

The KERN OBL 137 is a trinocular transmitted-light microscope with infinity optics and Köhler illumination. Objectives 4x / 10x / 40x / 100x 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

For everyday brightfield work on translucent, low-contrast specimens such as live mammalian cells, bacteria and tissue, the KERN OBL 137 pairs trinocular infinity optics with pre-centred Köhler illumination. Its E-Plan objectives from 4x to 100x combine with the 10x eyepiece for 40x to 1000x total magnification. The focusable 1,25 Abbe condenser with aperture and field diaphragm lights the field evenly.

BENEFITS

- **Plane infinity optics:** Infinity E-Plan objectives 4x / 10x / 40x / 100x for an image sharp across the whole field
- **Simplified Köhler illumination:** pre-centred, focusable 1,25 Abbe condenser with aperture and field diaphragm
- **Continuously dimmable 3 W LED:** constant colour temperature at any brightness, no lamp changes
- **Two slides at once:** large mechanical stage with coaxial coarse and fine focus on both sides
- **Low-fatigue viewing:** trinocular tube inclined 30 degrees, interpupillary distance 50 - 75 mm
- **Photo-ready trinocular port:** fixed light-path split 20:80 for camera documentation
- **Modular upgrades:** darkfield, polarisation, phase contrast and fluorescence available as KERN accessories

TECHNICAL DATA

- **Optical system:** Infinity
- **Objective class:** Infinity E-Plan
- **Objectives:** 4x / 10x / 40x / 100x
- **Tube:** Trinokular
- **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
- **Light-path split:** 20:80
- **Power supply:** Netzteil (100 - 240 V)
- **Net weight:** 7 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, breweries, inpatient facilities, clinical laboratories, public health offices, training centres and universities.

COMPLIANCE AND ORIGIN

EAN 4045761267770. Customs tariff number 90118000. Country of origin China.