

Transmitted light microscopes KERN OBE-12/13

- The OBE-12/13 range stands out through its exclusive, dynamic device. The storage compartment on the back will enable quick practical storage for your power cable. Thanks to the USB connection technology, it is also possible to supply power using an external powerbank
- The infinitely dimmable 3 W LED guarantees bright illumination of your sample
- A further highlight is the butterfly lens barrel which is integrated as standard and which enables you to achieve the ideal viewing angle. The height-adjustable and thereby focusable 1.25 Abbe condenser with aperture diaphragm is a further quality feature of the OBE range and guarantees the very best concentration of light
- Height adjustment of the fully-equipped mechanical stage is carried out using a coarse and fine focusing knob on both sides. The ergonomically designed coaxial drive enables you to work with the samples and move them rapidly
- A large selection of different eyepieces and objectives is also available
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of the delivery
- A C-mount adapter is required to connect a camera to the trinocular version

Scope of application

Training, haematology, sediment investigation, doctor's surgeries

Applications/Samples

Translucent, thin, high-contrast, less complex samples (e.g. plant tissue, coloured cells/parasites)

- Finite optical system (DIN)
- 4-fold lens revolving unit
- Butterfly 30°
- Dioptre compensation (one-sided) (for binocular and trinocular models)
- Overall dimensions (WxDxH) 360 × 150 × 320 mm
- Net weight approx. 4.488 kg



Model	Equipment	Order No.
① OBE 121	Monocular, ocular HWF 10×/Ø 18 mm, achromatic objective, 4×/10×/40×, 3 W LED (transmitting)	10 58 38021
② OBE 122	Binocular, ocular HWF 10×/Ø 18 mm, achromatic objective, 4×/10×/40×, 3 W LED (transmitting)	10 58 38022
③ OBE 124	Trinocular, ocular HWF 10×/Ø 18 mm, achromatic objective, 4×/10×/40×, 3 W LED (transmitting)	10 58 38024
OBE 131	Monocular, ocular HWF 10×/Ø 18 mm, achromatic objective, 4×/10×/40×/100×, 3 W LED (transmitting)	10 58 38031
OBE 132	Binocular, ocular HWF 10×/Ø 18 mm, achromatic objective, 4×/10×/40×/100×, 3 W LED (transmitting)	10 58 38033
OBE 134	Trinocular, ocular HWF 10×/Ø 18 mm, achromatic objective, 4×/10×/40×/100×, 3 W LED (transmitting)	10 58 38034

Transmitted light microscopes KERN OBL-12/13

- The OBL-1 series stands out through its infinity optical unit and is therefore ideally suited for all transmitted illumination applications for the most demanding users. The robust and ergonomic stand base guarantees safe and comfortable working
- Depending on the application, there is a choice of models with strong, continuously dimmable 3 W LED or 20 W halogen illumination (Philips)
- The fixed, pre-centred and focusable 1.25 ABBE condenser with aperture diaphragm and field diaphragm gives you a simplified Koehler illumination, without having to move the centre
- The large mechanical stage table and its specimen holder holds up to two samples at the same time and is quick and easy to focus using a coaxial coarse and fine focusing knob on both sides
- A large selection of eyepieces, objectives and colour filters as well as a darkfield condenser, a simple polarising unit, different phase contrast kits through to HBO and LED fluorescence units are available to you as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of the delivery
- A C-mount adapter is required to connect a camera to the trinocular version

Scope of application

Haematology, urology, gynaecology, dermatology, pathology, microbiology and parasitology, immunology, oncology, entomology, vets, sewage treatment plants, water analysis, breweries

Applications/Samples

Translucent, thin, low-contrast, challenging samples (e.g. living mammal cells, bacteria, tissue)

- Infinity optical system
- 4-fold lens revolving unit
- Siedentopf 30° inclined, 360° rotatable
- Dioptre compensation one-sided
- Overall dimensions (WxDxH) 395 x 200 x 380 mm
- Net weight approx. 6.688 kg

Model	Equipment	Order No.
OBL 125	Binocular, eyepiece WF 10x/Ø 20 mm, objective Infinity E-Plan, 4x/10x/40x/100x, 6 V/20 W Halogen (transmitting)	10 58 34125
OBL 127	Binocular, eyepiece WF 10x/Ø 20 mm, objective Infinity E-Plan, 4x/10x/40x/100x, 3 W LED (transmitting)	10 58 34127
OBL 135	Trinocular, eyepiece WF 10x/Ø 20 mm, objective Infinity E-Plan, 4x/10x/40x/100x, 6 V/20 W Halogen (transmitting)	10 58 34135
OBL 137	Trinocular, eyepiece WF 10x/Ø 20 mm, objective Infinity E-Plan, 4x/10x/40x/100x, 3 W LED (transmitting)	10 58 34137
OBL 145	Binocular, eyepiece WF 10x/Ø 20 mm, objective Infinity Plan, 4x/PH10x/PH40x/100x, 6 V/20 W Halogen (transmitting)	10 58 34145
④ OBL 155	Trinocular, eyepiece WF 10x/Ø 20 mm, objective Infinity Plan, 4x/PH10x/PH40x/100x, 6 V/20 W Halogen (transmitting)	10 58 34155

Accessories

Article	Order No.
C-Mount adapter 0.5x OBB-A1515	10 58 34156



Transmitted light microscope KERN OBT-1

- The OBT-1 range is a high-quality school microscope, which will impress you with its intuitive control elements, sturdy construction and modern design
- The continuous dimmable 1W LED guarantees optimum illumination of the samples and also ensures long service life. Mobile use is also no problem through optional battery operation
- The simple 0.65 condenser lens with rotating aperture diaphragm on the OBT 101 ensures the very best concentration of light and illumination of the sample. The OBT 102 - OBT 106 models have a 1.25 Abbe condenser which is height-adjustable and can therefore be focussed and has an aperture diaphragm, which ensures the very best concentration of light
- To focus the object, all models have a coarse and fine focusing knob on both sides. The mechanical angle table enables you to work with the samples and move them rapidly (with model OBT 103 - OBT 106)
- A large selection of different eyepieces and objectives is also available
- A dust cover as well as user instructions are included with the delivery

Scope of application:

Primary school, secondary school, training, hobby use

Applications/Samples:

Translucent, thin, high-contrast, less complex samples (e.g. plant tissue, coloured cells/parasites)

- Finite optical system (DIN)
- OBT 101: 3-fold lens revolving unit
- OBT 102 - OBT 106: 4-fold lens revolving unit
- Lens barrel 45° tilt/360° rotatable
- Dioptrre compensation one-sided (for binocular models)
- Overall dimensions (WxDxH) 195 x 147 x 325 mm
- Net weight approx. 2,2 kg



Model	Equipment	Order No.
OBT 101	Monokular, ocular HWF 10x/Ø 18 mm, achromatic objective, 4x/10x/40x, 1 W LED (transmitted), table fix	10 58 39101
⑤ OBT 102	Monokular, ocular HWF 10x/Ø 18 mm, achromatic objective, 4x/10x/40x, 1 W LED (transmitted), table fix	10 58 39102
OBT 103	Monokular, ocular HWF 10x/Ø 18 mm, achromatic objective, 4x/10x/40x, 1 W LED (transmitted), mechanical table	10 58 39113
⑥ OBT 104	Monokular, ocular HWF 10x/Ø 18 mm, achromatic objective, 4x/10x/40x, 1 W LED (transmitted), mechanical table	10 58 39104
OBT 105	Monokular, ocular HWF 10x/Ø 18 mm, achromatic objective, 4x/10x/40x/100x, 1 W LED (transmitted), mechanical table	10 58 39105
OBT 106	Monokular, ocular HWF 10x/Ø 18 mm, achromatic objective, 4x/10x/40x/100x, 1 W LED (transmitted), mechanical table	10 58 39106