



Trinocular version



Monocular version

## Note

Please request special conditions for a classroom set



Objectives OBE



Simple polarising unit



Darkfield unit

## EDUCATIONAL LINE

The fully equipped all-round compound microscope for school, training and laboratories

### Features

- The KERN OBE series is a range of high-quality, fully-equipped compound microscopes, which can't be beaten in terms of ease of use and ergonomic design
- The strong and continuously dimmable 3 W LED guarantees optimum illumination of the samples and also ensures long service life. Mobile use of several models is also no problem through the use of rechargeable batteries
- The height-adjustable and thereby focusable 1,25 Abbe condenser with aperture diaphragm is a further quality feature of the OBE series and ensures 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, a simple polarising unit and a darkfield kit 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. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

### Scope of application

- Training, haematology, sediment investigation, doctor's practise

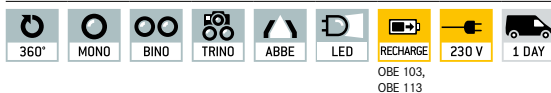
### Applications/Samples

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

### Technical data

- Finite optical system
- Quadplex nosepiece
- Siedentopf 30° inclined/360° rotatable
- Diopter adjustment: One-sided (for binocular and trinocular models)
- Overall dimensions W×D×H 320×180×365 mm
- Net weight approx. 5,5 kg

#### STANDARD



#### OPTION



## Only while stocks last

Remaining stocks of this series available at:  
[www.kern-sohn.com](http://www.kern-sohn.com)

**Successor series OBE-12 · 13**

→ see page 14

## Note

Please request special conditions for a classroom set



Monocular version



Trinocular version



Butterfly tube

### EDUCATIONAL LINE

Elegant, dynamic and impressive – the new all-round compound microscope for schools, training and laboratories

#### Features

- The brand new OBE-12/13 range stands out through its exclusive, dynamic device, which is second to none in terms of sturdy construction and ergonomics. The clever 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 impressive, infinitely dimmable 3 W LED guarantees bright illumination of your sample
- A further highlight is the Butterfly tube 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 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. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

#### Scope of application

- Training, haematology, sediment investigation, doctor's practise

#### Applications/Samples

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

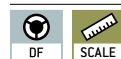
#### Technical data

- Finite optical system
- Quadplex nosepiece
- Butterfly 30° inclined
- Diopter adjustment: One-sided (for binocular and trinocular models)
- Overall dimensions W×D×H 360×150×320 mm
- Net weight approx. 4,6 kg

#### STANDARD



#### OPTION



Model	Standard configuration					Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	
<b>KERN OBE 121</b>	Monocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)	<b>490,-</b>
<b>OBE 122</b>	Binocular	HWF 10×/ø 18 mm	Achromatic	4×/10×/40×	3W LED (transmitted)	<b>580,-</b>
<b>OBE 124</b>	Trinocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)	<b>690,-</b>
<b>OBE 131</b>	Monocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)	<b>540,-</b>
<b>OBE 132</b>	Binocular	HWF 10×/ø 18 mm	Achromatic	4×/10×/40×/100×	3W LED (transmitted)	<b>640,-</b>
<b>OBE 134</b>	Trinocular	HWF 10×/ø 18 mm	Achromatic		3W LED (transmitted)	<b>760,-</b>

Model outfit		Model KERN						Order number	Price/piece excl. of VAT ex works €
		OBE 121	OBE 122	OBE 124	OBE 131	OBE 132	OBE 134		
<b>Eyepieces</b> (23,2 mm)	HWF 10×/∅ 18 mm	✓	✓✓	✓✓	✓	✓✓	✓✓	OBB-A1403	50,-
	WF 16×/∅ 13 mm	○	○○	○○	○	○○	○○	OBB-A1354	50,-
	HWF 10×/∅ 18 mm (with pointer)	○	○	○	○	○	○	OBB-A1348	45,-
	HWF 10×/∅ 18 mm (reticule 0,1 mm) (non-adjustable)	○	○	○	○	○	○	OBB-A1349	65,-
<b>Achromatic objectives</b>	4×/0,10 W.D. 18,6 mm	✓	✓	✓	✓	✓	✓	OBB-A1111	40,-
	10×/0,25 W.D. 6,5 mm	✓	✓	✓	✓	✓	✓	OBB-A1108	50,-
	40×/0,65 (spring-loaded) W.D. 0,47 mm	✓	✓	✓	✓	✓	✓	OBB-A1112	80,-
	100×/1,25 (oil) (spring-loaded) W.D. 0,07 mm	○	○	○	✓	✓	✓	OBB-A1109	115,-
	20×/0,40 (spring-loaded) W.D. 1,75 mm	○	○	○	○	○	○	OBB-A1110	95,-
	60×/0,85 (spring-loaded) W.D. 0,1 mm	○	○	○	○	○	○	OBB-A1113	115,-
	E-Plan 100×/0,80 (dry) (spring-loaded) W.D. 0,15 mm	○	○	○	○	○	○	OBB-A1442	190,-
	Plan 100×/1,0 (water) (spring-loaded) W.D. 0,18 mm	○	○	○	○	○	○	OBB-A1441	205,-
<b>Monocular tube</b>	30° inclined	✓			✓				
<b>Binocular tube</b>	<ul style="list-style-type: none"> <li>• Butterfly 30° inclined</li> <li>• Interpupillary distance 48 – 75 mm</li> <li>• Diopter adjustment: One-sided</li> </ul>		✓			✓			
<b>Trinocular tube</b>	<ul style="list-style-type: none"> <li>• see binocular tube</li> <li>• Light distribution 20:80</li> </ul>			✓			✓		
<b>Mechanical stage</b>	<ul style="list-style-type: none"> <li>• Stage size W×D 125×115 mm</li> <li>• Travel 50×70 mm</li> <li>• Coaxial coarse and fine focusing knobs, scale: 2 µm</li> </ul>	✓	✓	✓	✓	✓	✓		
<b>Condenser</b>	Abbe N.A. 1,25 (aperture diaphragm)	✓	✓	✓	✓	✓	✓	OBB-A1101	95,-
<b>Darkfield unit</b>	Usable for 4× – 40× objectives	○	○	○	○	○	○	OBB-A1148	95,-
<b>Illumination</b>	3 W LED illumination system (transmitted)	✓	✓	✓	✓	✓	✓		
<b>Colour filters</b> for transmitted illumination	Blue	○	○	○	○	○	○	OBB-A1466	25,-
	Green	○	○	○	○	○	○	OBB-A1467	25,-
	Yellow	○	○	○	○	○	○	OBB-A1468	25,-
	Grey	○	○	○	○	○	○	OBB-A1184	25,-
<b>C-Mount</b>	0,5× (focus adjustable)			○			○	OBB-A1137	175,-
	1×			○			○	OBB-A1139	110,-

✓ = Included with delivery

○ = Option