



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



www.atestor.hu

**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 WxDxH 320x180x365 mm
- Net weight approx. 5,5 kg

STANDARD



OPTION



Model	Standard configuration					Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	
<b>KERN</b>						
<b>OBE 101</b>	Monocular	HWF 10x/ø 18 mm	Achromatic	4x/10x/40x	3 W LED (transmitted)	<b>395,-</b>
<b>OBE 102</b>	Binocular	HWF 10x/ø 18 mm	Achromatic		3 W LED (transmitted)	<b>480,-</b>
<b>OBE 103*</b>	Binocular	HWF 10x/ø 18 mm	Achromatic		3 W LED (transmitted) (battery incl., rechargeable)	<b>550,-</b>
<b>OBE 104</b>	Trinocular	HWF 10x/ø 18 mm	Achromatic	4x/10x/40x/100x	3 W LED (transmitted)	<b>590,-</b>
<b>OBE 111</b>	Monocular	HWF 10x/ø 18 mm	Achromatic		3 W LED (transmitted)	<b>450,-</b>
<b>OBE 112</b>	Binocular	HWF 10x/ø 18 mm	Achromatic		3 W LED (transmitted)	<b>540,-</b>
<b>OBE 113</b>	Binocular	HWF 10x/ø 18 mm	Achromatic		3 W LED (transmitted) (battery incl., rechargeable)	<b>610,-</b>
<b>OBE 114</b>	Trinocular	HWF 10x/ø 18 mm	Achromatic		3 W LED (transmitted)	<b>650,-</b>

\* ONLY WHILE STOCKS LAST

Model outfit		Model KERN				Order number	Price/piece excl. of VAT ex works €
		OBE 101	OBE 102	OBE 103	OBE 104		
Eyepieces (23,2 mm)	HWF 10×/∅ 18 mm	✓	✓✓	✓✓	✓✓	OBB-A1403	45,-
	WF 16×/∅ 13 mm	○	○○	○○	○○	OBB-A1354	45,-
	HWF 10×/∅ 18 mm (with Pointer)	○	○	○	○	OBB-A1348	40,-
	HWF 10×/∅ 18 mm (reticule 0,1 mm) (non-adjustable)	○	○	○	○	OBB-A1349	60,-
Achromatic objectives	4×/0,10 W.D. 18,6 mm	✓	✓	✓	✓	OBB-A1111	35,-
	10×/0,25 W.D. 6,5 mm	✓	✓	✓	✓	OBB-A1108	45,-
	40×/0,65 (spring-loaded) W.D. 0,47 mm	✓	✓	✓	✓	OBB-A1112	70,-
	100×/1,25 (oil) (spring-loaded) W.D. 0,07 mm	○	○	○	○	OBB-A1109	105,-
	20×/0,40 (spring-loaded) W.D. 1,75 mm	○	○	○	○	OBB-A1110	85,-
	60×/0,85 (spring-loaded) W.D. 0,1 mm	○	○	○	○	OBB-A1113	105,-
	E-Plan 100×/0,80 (dry) (spring-loaded) W.D. 0,15 mm	○	○	○	○	OBB-A1442	170,-
	Plan 100×/1,0 (water) (spring-loaded) W.D. 0,18 mm	○	○	○	○	OBB-A1441	175,-
Monocular tube	30° inclined/360° rotatable	✓				OBB-A1227	
Binocular tube	<ul style="list-style-type: none"> <li>• Siedentopf 30° inclined/360° rotatable</li> <li>• Interpupillary distance 50 – 75 mm</li> <li>• Diopter adjustment: One-sided</li> </ul>		✓	✓		OBB-A1123	
Trinocular tube	<ul style="list-style-type: none"> <li>• see binocular tube</li> <li>• Light distribution 20:80</li> </ul>				✓	OBB-A1341	
Mechanical stage	<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>	✓	✓	✓	✓		
Condenser	Abbe N.A. 1,25 (aperture diaphragm)	✓	✓	✓	✓	OBB-A1101	85,-
Darkfield unit	Usable for 4× – 40× objectives	○	○	○	○	OBB-A1148	85,-
Polarising unit	Analyser/Polariser	○	○	○	○	OBB-A1276	265,-
Illumination	3 W LED illumination system (transmitted) (non-rechargeable)	✓	✓		✓		
	3 W LED illumination system (transmitted) (rechargeable)			✓			
Colour filters for transmitted illumination	Blue	○	○	○	○	OBB-A1466	19,-
	Green	○	○	○	○	OBB-A1467	19,-
	Yellow	○	○	○	○	OBB-A1468	19,-
	Grey	○	○	○	○	OBB-A1184	19,-
C-Mount	0,5× (focus adjustable)				○	OBB-A1137	160,-
	1×				○	OBB-A1139	100,-

✓ = Included with delivery

○ = Option

Model outfit		Model KERN				Order number	Price/piece excl. of VAT ex works €
		OBE 111	OBE 112	OBE 113	OBE 114		
<b>Eyepieces</b> (23,2 mm)	HWF 10×/∅ 18 mm	✓	✓✓	✓✓	✓✓	OBB-A1403	45,-
	WF 16×/∅ 13 mm	○	○○	○○	○○	OBB-A1354	45,-
	HWF 10×/∅ 18 mm (with Pointer)	○	○	○	○	OBB-A1348	40,-
	HWF 10×/∅ 18 mm (reticule 0,1 mm) (non-adjustable)	○	○	○	○	OBB-A1349	60,-
<b>Achromatic objectives</b>	4×/0,10 W.D. 18,6 mm	✓	✓	✓	✓	OBB-A1111	35,-
	10×/0,25 W.D. 6,5 mm	✓	✓	✓	✓	OBB-A1108	45,-
	40×/0,65 (spring-loaded) W.D. 0,47 mm	✓	✓	✓	✓	OBB-A1112	70,-
	100×/1,25 (oil) (spring-loaded) W.D. 0,07 mm	✓	✓	✓	✓	OBB-A1109	105,-
	20×/0,40 (spring-loaded) W.D. 1,75 mm	○	○	○	○	OBB-A1110	85,-
	60×/0,85 (spring-loaded) W.D. 0,1 mm	○	○	○	○	OBB-A1113	105,-
	E-Plan 100×/0,80 (dry) (spring-loaded) W.D. 0,15 mm	○	○	○	○	OBB-A1442	170,-
	Plan 100×/1,0 (water) (spring-loaded) W.D. 0,18 mm	○	○	○	○	OBB-A1441	175,-
<b>Monocular tube</b>	30° inclined/360° rotatable	✓				OBB-A1227	
<b>Binocular tube</b>	<ul style="list-style-type: none"> <li>• Siedentopf 30° inclined/360° rotatable</li> <li>• Interpupillary distance 50 – 75 mm</li> <li>• Diopter adjustment: One-sided</li> </ul>		✓	✓		OBB-A1123	
<b>Trinocular tube</b>	<ul style="list-style-type: none"> <li>• see binocular tube</li> <li>• Light distribution 20:80</li> </ul>				✓	OBB-A1341	
<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	85,-
<b>Darkfield unit</b>	Usable for 4× – 40× objectives	○	○	○	○	OBB-A1148	85,-
<b>Polarising unit</b>	Analyser/Polariser	○	○	○	○	OBB-A1276	265,-
<b>Illumination</b>	3 W LED illumination system (transmitted) (non-rechargeable)	✓	✓		✓		
	3 W LED illumination system (transmitted) (rechargeable)			✓			
<b>Colour filters for transmitted illumination</b>	Blue	○	○	○	○	OBB-A1466	19,-
	Green	○	○	○	○	OBB-A1467	19,-
	Yellow	○	○	○	○	OBB-A1468	19,-
	Grey	○	○	○	○	OBB-A1184	19,-
<b>C-Mount</b>	0,5× (focus adjustable)				○	OBB-A1137	160,-
	1×				○	OBB-A1139	100,-

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