



Trinocular version



Simple polarising attachment

**LAB LINE**

The flexible laboratory assistant with infinity optical system and fixed, pre-centred Koehler illumination



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**Features**

- The OBL series stands out through its infinity optical unit and is therefore ideally suited for all demanding transmitted illumination applications. 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 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 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**

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

**Applications/Samples**

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

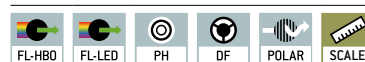
**Technical data**

- Infinity optical system
- Quadplex nosepiece
- Siedentopf 30° inclined/360° rotatable
- Diopter adjustment: One-sided
- Overall dimensions W×D×H 395×200×380 mm
- Net weight approx. 6,7 kg

STANDARD



OPTION



Model	Standard configuration					Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	
<b>KERN</b>						
<b>OBL 125*</b>	Binocular	HWF 10×/ø 20 mm	Infinity E-Plan	4×/10×/40×/100×	20 W Halogen (transmitted)	<b>900,-</b> ↓
<b>OBL 127</b>	Binocular	HWF 10×/ø 20 mm	Infinity E-Plan		3 W LED (transmitted)	<b>910,-</b>
<b>OBL 135*</b>	Trinocular	HWF 10×/ø 20 mm	Infinity E-Plan		20 W Halogen (transmitted)	<b>1010,-</b> ↓
<b>OBL 137</b>	Trinocular	HWF 10×/ø 20 mm	Infinity E-Plan		3 W LED (transmitted)	<b>1020,-</b>

\* ONLY WHILE STOCKS LAST

↓ Price reduction

Model outfit		Model KERN				Order number	Price/piece excl. of VAT ex works €
		OBL 125	OBL 135	OBL 127	OBL 137		
Eyepieces (23,2 mm)	HWF 10×/∅ 20 mm	✓✓	✓✓	✓✓	✓✓	OBB-A1404	95,-
	WF 16×/∅ 13 mm	○	○	○	○	OBB-A1354	45,-
	HWF 10×/∅ 20 mm (with Pointer)	○	○	○	○	OBB-A1448	80,-
Infinity E-Plan objectives	4×/0,10 W.D. 12,1 mm	✓	✓	✓	✓	OBB-A1161	90,-
	10×/0,25 W.D. 2,1 mm	✓	✓	✓	✓	OBB-A1159	150,-
	40×/0,65 (spring-loaded) W.D. 0,58 mm	✓	✓	✓	✓	OBB-A1160	265,-
	100×/1,25 (oil) (spring-loaded) W.D. 0,19 mm	✓	✓	✓	✓	OBB-A1158	335,-
	Plan 20×/0,40 (spring-loaded) W.D. 2,41 mm	○	○	○	○	OBB-A1250	265,-
	Plan 60×/0,80 (spring-loaded) W.D. 0,33 mm	○	○	○	○	OBB-A1270	360,-
	Plan 100×/1,15 (water) (spring-loaded) W.D. 0,18 mm	○	○	○	○	OBB-A1437	445,-
Binocular tube	<ul style="list-style-type: none"> <li>Butterfly 30° inclined/360° rotatable</li> <li>Interpupillary distance 50 – 75 mm (for infinity system)</li> <li>Diopter adjustment: One-sided</li> </ul>	✓	○	✓	○	OBB-A1578	
Trinocular tube	<ul style="list-style-type: none"> <li>Butterfly 30° inclined/360° rotatable</li> <li>Interpupillary distance 50 – 75 mm</li> <li>Light distribution 20:80 (for infinity system)</li> <li>Diopter adjustment: One-sided</li> </ul>	○	✓	○		OBB-A1580	
Mechanical stage	<ul style="list-style-type: none"> <li>Stage size W×D 145×130 mm</li> <li>Travel 76×52 mm</li> <li>Coaxial coarse and fine focusing knobs, scale: 2 µm</li> <li>Two slide holder</li> </ul>	✓	✓	✓	✓		
Condenser	Abbe N.A. 1,25 precentered (aperture diaphragm)	✓	✓	✓	✓	OBB-A1103	85,-
Darkfield condenser	N.A. 0,85 – 0,91 (dry, paraboloid)	○	○	○	○	OBB-A1422	230,-
Illumination	20 W Halogen spare bulb (transmitted)	✓	✓			OBB-A1370	45,-
	3 W LED illumination system (transmitted) (non-rechargeable)			✓	✓		
Polarising unit	Analyser/Polariser	○	○	○	○	OBB-A1277	265,-
Phase contrast units (including PH-condenser and PH-slides)	Single unit with ∞ PH-Plan objective 10×	○	○	○	○	OBB-A1215	310,-
	Single unit with ∞ PH-Plan objective 20×	○	○	○	○	OBB-A1217	350,-
	Single unit with ∞ PH-Plan objective 40×	○	○	○	○	OBB-A1219	420,-
	Single unit with ∞ PH-Plan objective 100×	○	○	○	○	OBB-A1213	510,-
	If required, there are several magnification levels, please contact our OPTICS-Team						
Fluorescence unit	100 W HBO Epi Fluorescence unit, three-hole slide (B/G) including centering objective	○	○	○	○	OBB-A1154	2350,-
	3 W LED Epi Fluorescence unit, three-hole slide (B/G) including centering objective	○	○	○	○	OBB-A1157	3110,-
Colour filters for transmitted illumination	Blue (built-in)	✓	✓	✓	✓		
	Green	○	○	○	○	OBB-A1188	19,-
	Yellow	○	○	○	○	OBB-A1165	19,-
	Grey	○	○	○	○	OBB-A1183	19,-
C-Mount	0,5× (focus adjustable)		○		○	OBB-A1515	185,-
	1×		○		○	OBB-A1514	120,-

✓ = Included with delivery

○ = Option