



Trinocular version



Simple polarising unit

Lab Line

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

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
- 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 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, sewage treatment plants, oncology, entomology, veterinary practices, water analysis, breweries

Applications/Samples

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

Technical data

- Infinity optical system
- 4-fold lens revolving unit
- Siedentopf 30° inclined/360° rotatable
- Diopter adjustment, one-sided
- Overall dimensions W×D×H 395×200×380 mm
- Net weight approx. 7 kg

STANDARD

OPTION

Model	Tube	Eyepiece	Objective quality	Objectives	Illumination
KERN					
OBL 127	Binocular	HWF 10x/Ø 20 mm	Infinity E-Plan	4x / 10x / 40x / 100x	3 W LED (transmitted)
OBL 137	Trinocular	HWF 10x/Ø 20 mm	Infinity E-Plan	4x / 10x / 40x / 100x	3 W LED (transmitted)

Model outfit		Model KERN		Order number
		OBL 127	OBL 137	
Eyepieces (23,2 mm)	HWF 10x/Ø 20 mm	✓✓	✓✓	OBB-A1404
	WF 16x/Ø 13 mm	○○	○○	OBB-A1354
	HWF 10x/Ø 20 mm (with Pointer)	○	○	OBB-A1448
Infinity E-Plan objectives	4x/0,11 W.D. 12,1 mm	✓	✓	OBB-A1161
	10x/0,25 W.D. 2,1 mm	✓	✓	OBB-A1159
	40x/0,66 (spring-loaded) W.D. 0,58 mm	✓	✓	OBB-A1160
	100x/1,25 (oil) (spring-loaded) W.D. 0,19 mm	✓	✓	OBB-A1158
	Plan 20x/0,45 (spring-loaded) W.D. 2,41 mm	○	○	OBB-A1250
	Plan 60x/0,8 (spring-loaded) W.D. 0,33 mm	○	○	OBB-A1270
	Plan 100x/1,15 (water) (spring-loaded) W.D. 0,18 mm	○	○	OBB-A1437
Binocular tube	· Butterfly 30° inclined/360° rotatable · Interpupillary distance 50 mm – 75 mm · Diopter adjustment one-sided	✓	○	OBB-A1578
Trinocular tube	· Butterfly 30° inclined/360° rotatable · Interpupillary distance 50 mm – 75 mm · Light distribution 20:80 · Diopter adjustment one-sided	○	✓	OBB-A1580
Mechanical stage	· Stage size B×T 145×130 mm · Travel 76×52 mm · Coaxial coarse and fine focusing knobs, scale: 2 µm · Two slide holder	✓	✓	
Condenser	Abbe N.A. 1,25 precentered (aperture diaphragm)	✓	✓	OBB-A1103
Darkfield condenser	N.A. 0,85-0,91 (dry, paraboloid)	○	○	OBB-A1422
Polarising unit	Analyser/Polariser	○	○	OBB-A1277
Phase contrast units	Single unit with ∞ PH-Plan-objective 10×	○	○	OBB-A1215
	Single unit with ∞ PH-Plan-objective 20×	○	○	OBB-A1217
	Single unit with ∞ PH-Plan-objective 40 ×	○	○	OBB-A1219
	Single unit with ∞ PH-Plan-objective 100×	○	○	OBB-A1213
Fluorescence unit	100 W HBO Epi fluorescent unit, 6-filter-disc (B/G) including centring objective lens	○	○	OBB-A1153
	5W LED Epi Fluorecence unit (B/G) including centering objective	○	○	OBB-A1157
Colour filters for transmitted illumination	Blue	○	○	OBB-A1170
	Green	○	○	OBB-A1188
	Yellow	○	○	OBB-A1165
	Grey	○	○	OBB-A1183
C-Mount	0,5x (focus adjustable)		○	OBB-A1515
	1x		○	OBB-A1514

✓ = included with the delivery

○ = Option

Further accessories and spare parts
see *internet*