



Mounted phase contrast condenser



Simple PH condenser with 40× PH slide

Lab Line

High-quality phase contrast microscope – specially pre-configured with a series of options for flexible expansion

Features

- We have developed this series specially for general applications with phase contrast method. In addition, the stable, modular construction system of the OBL series offers many more options.
- The impressive, infinitely dimmable 3W LED guarantees bright illumination of your sample
- A special fixed, pre-centred phase contrast condenser as well as field diaphragm give you a simplified Köhler illumination and thereby a powerful phase-contrast display of your sample
- 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, a simple polarizing unit as well as further phase contrast 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

- Specially for extremely translucent, thin, low-contrast, challenging samples (e.g. living mammal cells, bacteria, tissue) with phase contrast

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. 6 kg

STANDARD

OPTION

Model	Tube	Eyepiece	Objective quality	Objectives	Illumination
KERN					
OBL 146	Binocular	HWF 10x/Ø 20 mm	Infinity E-Plan / Plan	4x / 10x / 40x / 100x	3 W LED (transmitted)
OBL 156	Trinocular	HWF 10x/Ø 20 mm	Infinity E-Plan / Plan	4x / 10x / 40x / 100x	3 W LED (transmitted)

Phase Contrast Microscopes KERN OBL-14 · OBL-15

Model outfit		Model KERN		Order number
		OBL 146	OBL 156	
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	✓	✓	
PH condenser	Abbe N.A. 1,25 precentered, for bright field and phase contrast	✓	✓	OBB-A1398
Phase contrast units	Infinity PH-Plan-objective 10x	✓	✓	OBB-A1390
	Infinity PH-Plan-objective 20x	○	○	OBB-A1391
	Infinity PH-Plan-objective 40x	✓	✓	OBB-A1392
	Infinity PH-Plan-objective 100x	○	○	OBB-A1393
	PH Slider 10×	✓	✓	OBB-A1399
	PH Slider 20×	○	○	OBB-A1400
	PH Slider 40×	✓	✓	OBB-A1401
	PH Slider 100×	○	○	OBB-A1402
	Centring eyepiece	✓	✓	OBB-A1383
Darkfield condenser	N.A. 0,85-0,91 (dry, paraboloid)	○	○	OBB-A1422
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*