



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



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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
- Depending on the application, there is a choice of models with strong, infinitely dimmable 3W LED or 20W halogen illumination (Philips)
- A special fixed, pre-centred phase contrast condenser as well as field diaphragm give you a simplified Koehler 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 polarising 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, vets, water analysis and 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
- 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	
KERN						
OBL 145	Binocular	HWF 10×/ø 20 mm	Infinity E-Plan/ Plan	4×/PH10×/ PH40×/100×	20 W Halogen (transmitted)	1390,- ↓
OBL 146 <small>NEW</small>	Binocular	HWF 10×/ø 20 mm	Infinity E-Plan/ Plan		3 W LED (transmitted)	1420,-
OBL 155	Trinocular	HWF 10×/ø 20 mm	Infinity E-Plan/ Plan		20 W Halogen (transmitted)	1490,- ↓
OBL 156 <small>NEW</small>	Trinocular	HWF 10×/ø 20 mm	Infinity E-Plan/ Plan		3 W LED (transmitted)	1530,-

NEW New model

↓ Price reduction

Model outfit		Model KERN				Order number	Price/piece excl. of VAT ex works €
		OBL 145	OBL 155	OBL 146	OBL 156		
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"> Butterfly 30° inclined/360° rotatable Interpupillary distance 50 – 75 mm (for infinity system) Diopter adjustment: One-sided 	✓	○	✓	○	OBB-A1578	
Trinocular tube	<ul style="list-style-type: none"> Butterfly 30° inclined/360° rotatable Interpupillary distance 50 – 75 mm Light distribution 20:80 (for infinity system) Diopter adjustment: One-sided 	○	✓	○	✓	OBB-A1582	
Mechanical stage	<ul style="list-style-type: none"> Stage size W×D 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	150,-
Phase contrast units	Infinity PH-Plan objective 10×	✓	✓	✓	✓	OBB-A1390	170,-
	Infinity PH-Plan objective 20×	○	○	○	○	OBB-A1391	200,-
	Infinity PH-Plan objective 40×	✓	✓	✓	✓	OBB-A1392	260,-
	Infinity PH-Plan objective 100×	○	○	○	○	OBB-A1393	345,-
	PH slide 10×	✓	✓	✓	✓	OBB-A1399	75,-
	PH slide 20×	○	○	○	○	OBB-A1400	75,-
	PH slide 40×	✓	✓	✓	✓	OBB-A1401	75,-
	PH slide 100×	○	○	○	○	OBB-A1402	75,-
	Centering eyepiece	✓	✓	✓	✓		
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)			✓	✓		
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,-

For further optional accessories, please see the list of items for the OBL-12 and OBL-13 series from page 19

✓ = Included with delivery

○ = Option