

# KERN OBL 146

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



## Category

Brand	Optics
Product category	Microscope
Product group	Compound microscope
Product family	OBL-14

## Approval

CE mark	✓
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## Construction

Dimension (W×D×H)	395×200×380 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Binocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	Infinity E-Plan
Standard objectives	4×
	100×
	PH 10×
	PH 40×
Nosepiece screw-in locations	4
Diopter adjustment	one-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field
	Darkfield (optional)
	Phase contrast
	Polarisation (optional) Fluorescent (optional)
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm

## Ocular

Ocular field width	HWF
Eye point	Standard
Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

## Focussing

Fine drive minimum	0,002 mm
Torque regulation	✓
Field of view [Min]	0,2 mm
Field of view [Max]	5 mm
Focusing mechanism	coaxial coarse and fine drive

## Illumination

Illumination type incident light	none
Illumination intensity transmitted light	3 W
Illumination type transmitted light	LED
Illuminance	Transmitted light
Illumination dimmable	Transmitted light
Field diaphragm	✓
Phase-contrast unit	PH condenser for single slot
Filter possible	✓

## Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
Input voltage device / power [Max]	5 V, 1 A
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
	UK
Plug-in power supply / adapter for countries - optional	US
	CH

## Environmental conditions

Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	546×380×280 mm

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Net weight	5,988 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	9 kg
Shipping weight	11,6 kg

## Objective

Objectives - Details	PH-Objective Infinity Plan 10 x / 0,25 anti-fungus Objective Infinity E-Plan 100 x / 1,25 oil, spring, anti-fungus Objective Infinity E-Plan 4 x / 0,1 anti-fungus PH-Objective Infinity Plan 40 x / 0,66 spring, anti- fungus
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## Pictograms

### STANDARD



### OPTION

