

# KERN OBN 148

# KERN

The fluorescence microscope for the professional user



Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm

## Ocular

Ocular field width	HWF
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	HBO
Illumination intensity incident light	100 W
Illumination intensity transmitted light	20 W
Illumination type transmitted light	Halogen
Illuminance	Reflected light Transmitted light
Illumination dimmable	Transmitted light
Field diaphragm	✓
Aperture diaphragm	✓
Koehler illumination	✓
Filter possible	✓
Brand of light bulb	Philips

## Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V
Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	UK US CH

## Environmental conditions

Storage temperature [Min]	-5 °C
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## Category

Brand	Optics
Product category	Microscope
Product group	Fluorescence microscope
Product family	OBN-14

## Approval

CE mark	✓
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## Construction

Dimension (W×D×H)	530×220×490 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Lens quality	Infinity Plan
	4×
	10×
Standard objectives	20×
	40×
	100×
Nosepiece screw-in locations	5
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field Darkfield (optional) Fluorescent Polarisation (optional) Phase contrast (optional)
Light distribution	100:0

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Storage temperature [Max] 40 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	500×440×500 mm
Net weight	15,978 kg
Shipping method	Parcel service
Net weight approx.	16 kg
Gross weight approx.	24 kg
Shipping weight	23 kg

## Objective

Objectives - Details	Objective Infinity Plan 10 x / 0,25 anti-fungus Objective Infinity Plan 100 x / 1,25 oil, spring, anti-fungus Objective Infinity Plan 20 x / 0,4 spring, anti-fungus Objective Infinity Plan 4 x / 0,11 anti-fungus Objective Infinity Plan 40 x / 0,66 spring, anti-fungus
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## Pictograms

### STANDARD



### OPTION

