

KERN OBN 148

The fluorescence microscope for the professional user

KERN



Category

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

Construction

Dimension (W×D×H)	530×220×490 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	0:100 80:20

Contrasting methods

Bright field
Darkfield (optional)
Fluorescent
Polarisation (optional)
Phase contrast (optional)

Standard objectives

4×
10×
20×
40×
100×

Lens quality	Infinity Plan
Nosepiece screw-in locations	5
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Ocular

Ocular type	Eyepiece HWF 10x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

Objective

Objectives - Details	Objective Infinity Plan 10x / 0,25 anti-fungus Objective Infinity Plan 100x / 1,25 oil, spring, anti-fungus Objective Infinity Plan 20x / 0,45 spring, anti-fungus Objective Infinity Plan 4x / 0,11 anti-fungus Objective Infinity Plan 40x / 0,65 spring, anti-fungus
Objectives magnifications	4x / 10x / 20x / 40x / 100x

Illumination

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

Focussing

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

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Fluorescent

Fluorescent unit	Ultraviolet, Violet, Blue, Green (HB0)
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Power Supply

Supplied power supply	Power supply unit
Power supply type	Built-in power supply

Plug-in power supply / adapter for countries - included with the delivery	EURO
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Plug-in power supply / adapter for countries - optional	AUS UK US CH
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Input voltage power supply / power [Max]	100 - 240 V
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Power supply cable removable	removable
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Input voltage device / power [Max]	100 - 240 V
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Power socket for mains adapter	Power supply cable
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Environmental conditions

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

CE mark	✓
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	500×440×500 mm
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Shipping method	Parcel service
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Net weight approx.	16 kg
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Gross weight approx.	24 kg
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Shipping weight	23 kg
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Product information

GTIN/EAN number	4045761163157
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION





WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.