

# KERN OBN 142

# KERN

The fluorescence microscope for the professional user



## 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)
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Standard objectives	4× 10× 20× 40× 100×
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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

Colour temperature	6000 K
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## 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	LED
Illumination type transmitted light	LED
Illumination intensity incident light	5 W
Illumination intensity transmitted light	3 W
Illumination dimmable	Incident light + Transmitted light, separate
Koehler illumination	✓
Filter possible	✓
Field diaphragm	✓

## 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 (LED)

## Condensor

Condensor type      Abbe

## Power Supply

Supplied power supply      Power supply unit  
Power supply type      Power adapter  
Input voltage power supply / power [Max]      100 V - 240 V AC 50/60 Hz 0,3 A  
Power supply cable removable      removable  
Input voltage device / power [Max]      5 V, 1 A  
Power socket for mains adapter      Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

## Environmental conditions

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

## Approval

CE mark      ✓

## Packing & Shipping

Delivery time      1 d  
Dimensions packaging (W×D×H)      510×470×500 mm  
Shipping method      Parcel service  
Net weight approx.      13 kg  
Gross weight approx.      16 kg  
Shipping weight      24 kg

## Product information

GTIN/EAN number      4045761482456  
Trade number      90118000  
REACH classification      no prohibited substances

## Pictograms

### STANDARD



### OPTION

