

KERN OBN 147

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	100:0

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

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
Objectives magnifications	4 x / 10 x / 20 x / 40 x / 100 x

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

KERN OBN 147

KERN

The fluorescence microscope for the professional user

Power Supply

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

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)	970×440×345 mm
Shipping method	Parcel service
Net weight approx.	16 kg
Gross weight approx.	24 kg
Shipping weight	29,4 kg

Pictograms

STANDARD



OPTION

