

KERN OCM 166

The inverted biological laboratory microscope – also with fluorescence



Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	22 mm
Ocular diameter	30 mm

Objective	
Objectives - Details	Objective Infinity Plan 10 x / 0,25 LWD, Fluor, anti-fungus
	Objective Infinity Plan 20 x / 0,45 LWD, Fluor, anti-fungus
	PH-Objective Infinity Plan 20 x / 0,45 LWD, Fluor, anti-fungus
	Objective Infinity Plan 40 x / 0,65 LWD, Fluor, anti-fungus
Objectives magnifications	10 x / 20 x / 40 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	30 W
Illumination dimmable	Transmitted light
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓
Brand of light bulb	Philips

Focussing	
Field of view [Min]	0,55 mm
Field of view [Max]	2,2 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

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

Category	
Brand	Optics
Product category	Microscope
Product group	Inverted microscope
Product family	OCM-1

Construction	
Dimension (WxDxH)	782x304x530 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	45°
Tube type	Siedentopf
Light distribution	100:0
Contrasting methods	Bright field
	Phase contrast
	Fluorescent
	10x
Standard objectives	20x
	40x
	PH 20x
	10x
Lens quality	Infinity Plan
Nosepiece screw-in locations	5
Centring eyepiece	✓
Interpupillary distance [Min]	48 mm
Interpupillary distance [Max]	76 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Ocular	
Ocular type	Eyepiece HWF 10 x / Ø 22mm with anti-fungus, high eye point

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Plug-in power supply / adapter for countries - optional

AUS
UK
US
CH

Input voltage power supply / power [Max]	100 - 240 V
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Input voltage device / power [Max]	100 - 240 V
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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	2 d
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Dimensions packaging (W×D×H)	1050×590×330 mm
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Net weight	21,968 kg
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Shipping method	Freight
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Net weight approx.	22 kg
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Gross weight approx.	28 kg
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Shipping weight	40,9 kg
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Pictograms

STANDARD

