

KERN OCM 165

The inverted biological laboratory microscope with fluorescence



Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10x
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	10x / 20x / 40x

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

Fluorescent	
Fluorescent unit	Blue, Green (HBO)

Condensor	
Condensor type	Standard

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	0:100
Contrasting methods	Bright field
	Phase contrast
	Fluorescent

Standard objectives	10x
	20x
	40x
	PH 20x

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 10x / Ø 22mm with anti-fungus, high eye point

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

Environmental conditions

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

Approval

CE mark	✓
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Packing & Shipping

Delivery time	2 d
Dimensions packaging (W×D×H)	1050×590×330 mm
Shipping method	Freight
Net weight approx.	22 kg
Gross weight approx.	28 kg
Shipping weight	40,9 kg

Product information

GTIN/EAN number	4045761263512
REACH classification	no prohibited substances

Pictograms

STANDARD

