

KERN OCM 166

The inverted biological laboratory microscope with fluorescence

KERN



Category

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

Construction

Dimension (W×D×H)	782×304×530 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	10× 20× 40× PH 20×
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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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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	Ultraviolet, Violet, Blue, Green (HBO)
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Condensor

Condensor type	Standard
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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
	AUS
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	4045761248656
Trade number	90118000
REACH classification	no prohibited substances

Pictograms

STANDARD

