

KERN OCM 161

The inverted biological laboratory microscope – also with fluorescence



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	Transmitted light
Illumination type incident light	none
Illumination type transmitted light	Halogen
Illumination intensity transmitted light	30 W
Illumination dimmable	Transmitted light
Filter possible	✓
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	Table power supply (separable)
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO UK
Input voltage power supply / power [Max]	100 - 240 V 50 / 60 Hz 1,5
Input voltage device / power [Max]	12 V, 4 A

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

Construction	
Dimension (WxDxH)	660x600x335 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 (optinal)

Standard objectives	10x
	20x
	40x
	PH 20x

Lens quality	Infinity Plan
Nosepiece screw-in locations	5
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
Ocular field width	HWF

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Environmental conditions

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

Approval

CE mark	✓
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	660×590×325 mm
Net weight	14,045 kg
Shipping method	Parcel service
Net weight approx.	15 kg
Gross weight approx.	17 kg
Shipping weight	25,3 kg

Pictograms

STANDARD

