KERN **OCM 167**

The inverted biological laboratory microscope with fluorescence



Date of creation: 24.10.2026

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×
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
Colour temperature	5500 K

Ocular	
Ocular type	Eyepiece HWF 10x / Ø 22mm with anti-fungus, high eye point
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	LED
Illumination type transmitted light	LED
Illumination intensity incident light	5 W
Illumination intensity transmitted light	5 W
Illumination dimmable	Transmitted light
Filter possible	✓
Field diaphragm	✓

80000	Mikroskoptisch	
Bauweise		fix
Weg		128 mm; 180 mm
ATTR_microscopeTableSpecimentHolders		1
ATTR_microscopeTableUser		Right-handed

Focussing	
Field of view [Min]	0,55 mm
Field of view [Max]	2,2 mm

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Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Fluorescent

Fluorescent unit	Blue, Green (LED)

Condensor

Condensor type	Standard
Condenser - Mounting	fixed
Condenser - Aperture	0,3
Phase contrast	✓

Power Supply

Supplied power supply	Power supply unit
Power supply type	USB including power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
Power supply cable removable	removable
Input voltage device / power [Max]	5 V, 1 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

Environmental conditions

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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	660×585×550 mm
Shipping method	Parcel service
Net weight approx.	16 kg
Gross weight approx.	20 kg
Shipping weight	42,5 kg
Shipping volume weight	42,5 kg

Product information

GTIN/EAN number	4045761478329
Trade number	90118000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

