KERN **OCM 165**

The inverted biological laboratory microscope with fluorescence

Date of creation: 23.10.2026

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
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
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

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

KERN **OCM 165**

The inverted biological laboratory microscope with fluorescence

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 (HB0)

Condensor

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

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
Plug-in power supply / adapter for countries - optional	EURO 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

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
Shipping volume weight	40,9 kg

Product information

GTIN/EAN number	4045761263512
Trade number	90118000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD