

KERN OCM 166



The inverted biological laboratory microscope – also with fluorescence



Category

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

Approval

CE mark	✓
---------	---

Construction

Dimension (W×D×H)	782×304×530 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	45°
Lens quality	Infinity Plan
Standard objectives	10×
	20×
	40×
	PH 20×
Nosepiece screw-in locations	5
Centring eyepiece	✓
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field
	Phase contrast
	Fluorescent
Light distribution	100:0
Interpupillary distance [Max]	76 mm
Interpupillary distance [Min]	48 mm

Ocular

Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	22 mm
Ocular diameter	30 mm

Focussing

Fine drive minimum	0,002 mm
Torque regulation	✓
Field of view [Min]	0,55 mm
Field of view [Max]	2,2 mm
Focusing mechanism	coaxial coarse and fine drive

Illumination

Illumination type incident light	HBO
Illumination intensity incident light	100 W
Illumination intensity transmitted light	30 W
Illumination type transmitted light	Halogen
Illuminance	Reflected light Transmitted light
Illumination dimmable	Transmitted light
Field diaphragm	✓
Aperture diaphragm	✓
Filter possible	✓
Brand of light bulb	Philips

Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	100 - 240 V
Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
Plug-in power supply / adapter for countries - optional	UK
	US
	CH

Environmental conditions

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

KERN OCM 166



The inverted biological laboratory microscope – also with fluorescence

Packing & Shipping

Readability force [d] (N)	2 d
Dimensions packaging (W×D×H)	1050×590×330 mm
Net weight	21,968 kg
Shipping method	Freight
Net weight approx.	22 kg
Gross weight approx.	28 kg
Shipping weight	40,9 kg

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
----------------------	---

Pictograms

STANDARD

