

KERN OPO 185

The flexible and powerful polarising microscope for all professional applications with reflected and transmitted light



Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	20 mm
Ocular diameter	30 mm

Focussing	
Fine drive minimum	0,002 mm
Torque regulation	✓
Field of view [Min]	0,4 mm
Field of view [Max]	5 mm
Focusing mechanism	coaxial coarse and fine drive

Illumination	
Illumination type incident light	LED
Illumination intensity incident light	5 W
Illumination intensity transmitted light	5 W
Illumination type transmitted light	LED
Illuminance	Reflected light Transmitted light
Illumination dimmable	Incident light + Transmitted light, separate
Field diaphragm	✓
Aperture diaphragm	✓
Koehler illumination	✓
Filter possible	✓

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
Input voltage device / power [Max]	5 V, 1 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH

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

Category

Brand	Optics
Product category	Microscope
Product group	Polarising microscope
Product family	OPO-1

Approval

CE mark	✓
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Construction

Dimension (W×D×H)	500×200×500 mm
Optical system	Infinity
Tube type	Siedentopf
Tube type	Trinocular
Tube angle of inclination	30°
Standard objectives	4× 10× 20× 40× 50×
Nosepiece screw-in locations	5
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5
Contrasting methods	Bright field Polarisation
Light distribution	0:100
Interpupillary distance [Max]	75 mm
Interpupillary distance [Min]	50 mm

Ocular

Ocular field width	HWF
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Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	520×470×430 mm
Net weight	12,5 kg
Shipping method	Parcel service
Net weight approx.	13 kg
Gross weight approx.	16 kg
Shipping weight	21 kg

Objective

Objectives - Details	Objective Infinity Plan 10 x / 0,25 non-stress, anti-fungus
	Objective Infinity Plan 20 x / 0,4 spring, non-stress, anti-fungus
	Objective Infinity Plan 4 x / 0,1 non-stress, anti-fungus
	Objective Infinity Plan 40 x / 0,66 spring, non-stress, anti-fungus
	Objective Infinity Plan Semi Apochromatic 50 x ... non-stress, LWD

Pictograms

STANDARD

