

KERN OPO 185

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



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
Dioptr adjustment	both-sided
Dioptr adjustment [Min]	-5
Dioptr 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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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
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
	AUS
Plug-in power supply / adapter for countries - optional	UK
	US
	CH

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	520×470×430 mm
Net weight	12,5 kg

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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

