

KERN OPO 185

KERN

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

Construction

Dimension (W×D×H)	500×200×500 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube type	Siedentopf
Light distribution	0:100 80:20

Contrasting methods

	Bright field Polarisation
	4×
	10×
Standard objectives	20×
	40×
	50×

Nosepiece screw-in locations	5
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Dioptr adjustment	both-sided
Dioptr adjustment [Min]	-5
Dioptr adjustment [Max]	5

Ocular

Ocular type	Eyepiece HWF 10 x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF

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

Objective

Objectives - Details	Objective Infinity Plan 10 x / 0,25 non-stress, anti-fungus Objective Infinity Plan 20 x / 0,45 spring, non-stress, anti-fungus Objective Infinity Plan 4 x / 0,11 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
Objectives magnifications	4 x / 10 x / 20 x / 40 x / 50 x

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	Incident light + Transmitted light, separate

Koehler illumination	✓
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓

Focussing

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

Power Supply

Supplied power supply	Power supply unit
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Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	AUS UK US CH
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

Environmental conditions

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

Approval

CE mark	✓
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	520×470×430 mm
Shipping method	Parcel service
Net weight approx.	13 kg
Gross weight approx.	16 kg
Shipping weight	21 kg

Pictograms

STANDARD

